List of Subject Headings

A. L. A.

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LIST OF

SUBJECT HEADINGS

FOR USE IN

DICTIONARY CATALOGS

PREPARED BY A COMMITTEE

OF THE

AMERICAN LIBRARY ASSOCIATION

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PREFACE

THIS List of Subject Headings has been prepared for the cataloger and is to be considered as an appendix to Cutter's Rules for a Dictionary Catalogue, ed. 3., sections 99 to 120.

Every compiler of a dictionary catalog finds two great difficulties:—1st, the choice between synonymous or related headings; 2d, the making of the necessary cross-references. The best catalogs show great diversity of usage and it has often been suggested that, by a collation of these catalogs, a list of subject headings might be made which would simplify the work of the cataloger and lead to more uniformity. At the Lakewood conference of the American Library Association a committee for this purpose was appointed. At the Chicago conference the committee reported progress and the Publishing Section was instructed to proceed with publication as soon as possible. At the Lake Placid conference the committee reported completion of the work and it is now submitted to the members of the A. L. A. and other librarians for approval. The catalogs on which the list is based are the Boston Athenæum, Peabody Institute, Cleveland, American, and the Harvard Subject Index.

Of course no such list can be complete, nor is this intended to be so. It is limited to the headings most often needed in the small or medium sized public library. The following classes of headings have been omitted:—

1. Personal names.

2. Geographical headings, such as names of countries, places, languages, literatures, etc. [See Library Journal, 18: C79-80 for treatment of these.]

3. Technical and scientific names unless there are equivalent common names and for purposes of cross-reference.

4. Animals and plants and chemical and medicinal substances.

5. Books and other parts of the Bible. These should be entered as subheads under Bible with reference from their names.

6. The following special classes:—Names of months, days, processes in arithmetic, parts of speech, virtues and vices, diseases, headings beginning with numbers (as Eighteenth century).

7. Other *specific* headings where there seemed to be no doubt as to name or references, as most games, foods, etc.

It is thought that the list is sufficiently full for ordinary use. The headings for any new subject can be settled by the application of the rules given below and by the analogies of headings already in the list. For full discussion of principles the cataloger is referred to Cutter's Rules. Any cataloger having to deal with unusual books will consult special catalogs or reference

books, such as the Surgeon-General's Catalog, Soules' Lawyer's Reference Manual, Bouvier's Law Dictionary, M'Clintock and Strong's Cyclopædia, etc.

The general principle of decision is that the heading shall be that under which it is supposed that the majority of educated Americans will look, with cross-references from other forms of heading.

In carrying out this principle the following rules have been followed so far as possible: —

1. Use common names instead of technical, English instead of foreign; but not if the common or English name is ambiguous or of ill-defined extent.

2. Use singular rather than plural except where subjects are only thought of under the plural.

3. Use headings most generally found in the leading catalogs. Usage, however, is changing; Moral philosophy, for example, is now almost universally called Ethics.

4 Put compound names under the first word unless some other is more significant (Agricultural botany, rather than Botany, agricultural; but History, ancient, rather than Ancient history).*

In order that all the books on a subject may be brought together in the catalog, cross-references must be liberally supplied. For this reason the list of "see-alsos" is especially full.

Particular attention is called to the "refer-froms." These are the "see-alsos" reversed and group under each heading the references that should be made from other subjects. Of course these references are not to be made unless the book cataloged actually illustrates the subject from which reference is made. They are suggestions rather than directions and do not relieve the cataloger from using his judgment.

It has not always been thought necessary to include in the list obvious "refer-from" references where the headings stand side-by-side in the alphabetical arrangement. For example, from Agriculture to Agricultural botany, pests, etc.

It will of course be understood that where the reference is simply "*See*", no subject entries are to be made under the heading referred from.

One column is left blank for additions. The cataloger is advised to check headings and references as used and to add new headings required. If he wishes to use a different form of heading, it will be necessary to make the change wherever the heading occurs in the list, otherwise discrepancies will creep into the catalog. By this method a complete list of all the subject headings and references in the catalog will be at hand without reference to the catalog itself. Unless the library is quite small, personal and geographical headings should be kept on slips as a supplementary list.

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* *Minority report.* C. A. Cutter prefers Ancient art, Ancient geography, Ancient history; Classical antiquities, Classical art, Classical biography, Classical geography, Classical history; as he would prefer Mediæval antiquities, Mediæval art, Mediæval geography, and Mediæval history, if in that case the substantive Middle ages were not better.

In this he follows the principle of *concrete cataloging*, which brings together what relates to a thing, a country, a period, rather than all works belonging to a class or form, such as Geography, History.

PREFACE

When there is a great accumulation of entries under a heading, it is well to sub-divide. The Boston Athenæum and Peabody Institute catalogs furnish good models for such sub-division.

We do not expect that this List of Subject Headings will be considered final or escape criticism. If, however, the general scheme of the work receives the approval of librarians, it forms a basis upon which a revised edition can more easily be prepared. We shall be satisfied with our labors if the result is found useful to catalogers, especially to beginners.

GARDNER M. JONES,
G. E. WIRE, M.D.,
C. A. CUTTER,
Committee.

SALEM, MASS., July 22, 1895.

LIST OF SUBJECT HEADINGS

FOR USE IN

DICTIONARY CATALOGS

Abbeys. *See also* Cathedrals; Convents; Monasticism.
Refer from Catholic church; Church architecture; Church history; Convents; Monasteries; Nunneries.

Abbreviations. *See also* Cipher; Shorthand.
Refer from Manuscripts; Shorthand; Writing.

Abdomen. *See also* Intestines; Kidneys; Liver; Stomach; Viscera.
Refer from Anatomy; Pathology; Viscera.

Abolition of slavery. *See* Abolitionists; Slavery.

Abolitionists.
Refer from Abolition of slavery; Biography; Slavery.

Abscess. *See also* Suppuration.
Refer from Pathology; Suppuration.

Absolution. *See also* Confession; Penance.
Refer from Church polity; Confession; Penance; Sin.

Abstinence. *See* Fasting; Starvation; Temperance.

Academies (learned societies). *See* Societies.

Academies (schools).
Refer from Schools.

Accent. *See also* Prosody.
Refer from Language; Prosody.

Accidence. *See* Grammar.

Accident insurance. *See* Insurance.

Accidents. *See also* Bruises; Burns and scalds; Collisions; Drowning; Explosions; Life saving; Poisons; Shipwrecks; Surgery.
Refer from Disasters; Drowning; Emergencies; Injuries; Life saving; Medicine; Nurses and nursing; Surgery.

Accounts. *See* Arithmetic; Bookkeeping.

Accumulators. *See* Storage batteries.

Abelian functions. See Functions

Abenaki Indians

Aberdeen

Aberdour

Abyssinia
Académie Française
Acadia

Acids.
Refer from Chemistry.
Acknowledgments.
Refer from Law.
Acoustics. *See* Sound.
Acrobats.
Refer from Sports.
Acrostics.
Refer from Puzzles
Acting. *See also* Actors; Actresses; Amateur theatricals; Drama; Expression; Pantomime; Theatre.
Refer from Actors; Actresses; Amateur theatricals; Amusements; Drama; Histrionics; Stage; Theatre.
Actions at law. *See also* Costs; Equity; Evidence; Forms (in law); Injunctions; Pleading; Trials.
Refer from Equity; Forms (in law); Law; Pleading; Procedure; Suits at law; Trials.
Actors. *See also* Acting; Actresses; Theatre.
Refer from Acting; Actresses; Biography; Drama; Players; Theatre.
Actresses. *See also* Acting; Actors; Theatre.
Refer from Acting; Actors; Biography; Drama; Players; Theatre; Woman.
Adages. *See* Maxims; Proverbs.
Addresses. *See* Orations.
Administration. *See* Political science.
Administrators and executors. *See also* Wills.
Refer from Guardians; Law; Property; Wills.
Admirals. *See also* Naval biography.
Refer from Biography; Naval biography.
Admiralty. *See also* Commercial law; Maritime law.
Refer from Commercial law; Law; Maritime law.
Adoption. *See also* Guardians.
Refer from Children; Foundlings; Guardians; Law; Orphans.
Adulterations. *See also* Drugs; Food.
Refer from Analysis of food; Chemistry; Commerce; Drugs; Food; Hygiene, public.
Adultery.
Refer from Criminal law; Marriage.
Advent. *See also* Second advent.
Refer from Fasts and feasts.

Ackworth School

Acting and Actors

Actinozoa

Aden

Adventure. *See also* Discoveries; Escapes; Explorers; Heroes; Shipwrecks; Voyages and travels.
Refer from Escapes; Heroes.

Adventurers. *See* Imposture.

Adversity. *See* Affliction.

Advertising. *See also* Signboards.
Refer from Business; Commerce; Periodicals.

Aerial navigation. *See also* Flight.
Refer from Aeronautics; Air; Balloons; Engineering; Flight; Flying machines; Locomotion; Mechanics; Navigation.

Aerolites. *See* Meteors.

Aeronautics. *See* Aerial navigation.

Aesthetics. *See also* Art; Arts, fine; Criticism; Grotesque; Landscape; Music; Picturesque.
Refer from Arts, fine; Beautiful, the; Criticism; Engraving; Painting; Philosophy; Picturesque; Psychology; Rhetoric; Sculpture; Taste.

Affidavits.
Refer from Forms (in law); Law.

Affliction. *See also* Consolation.
Refer from Adversity; Ethics; Suffering.

African colonization. *See also* Liberia, and the names of African colonization societies.
Refer from Colonization; Negroes; Slavery.

Age. *See also* Longevity; Old age.
Refer from Old age.

Agents. *See also* Attorneys.
Refer from Attorneys; Brokers; Commercial law; Factors; Partnership.

Agnosticism. *See also* Atheism; Positivism; Skepticism.
Refer from Atheism; Faith; Free thought; Philosophy; Skepticism; Theology.

Agreements. *See* Contracts.

Agricultural botany.
Refer from Botany.

Agricultural chemistry. *See also* Fertilizers; Manures; Soils.
Refer from Chemistry; Fertilizers; Manures; Soils.

Agricultural colleges. *See also* Agricultural education.
Refer from Agricultural education; Colleges and universities.

Aegean Sea

Aeromechanics, See Hydromec

Afghanistan

Africa
See also names of African states

African languages
See also Ashanti & other lang.

Agricultural education. *See also* Agricultural colleges.
Refer from Agricultural colleges; Education.
Agricultural exhibitions.
Refer from Exhibitions.
Agricultural machinery. *See also* Agricultural tools.
Refer from Agricultural tools; Machinery.
Agricultural pests. *See also* Caterpillars; Fungi; Insects; Weeds.
Refer from Gardening; Insects.
Agricultural societies.
Refer from Societies.
Agricultural tools. *See also* Agricultural machinery.
Refer from Agricultural machinery; Tools.
Agriculture. *See also* Barns; Bees; Botany; Butter; Cattle; Cheese; Coffee; Corn laws; Cotton; Cow; Dairy; Domestic animals; Domestic economy; Drainage; Ensilage; Fertilizers; Flax; Floriculture; Forestry; Fruit; Gardening; Grain; Grangers; Grape; Grass; Greenhouses; Hog; Horse; Irrigation; Land; Landscape gardening; Maize; Manures; Milk; Ox; Peasantry; Poultry; Sheep; Soils; Stables; Sugar; Tobacco; Trees; Vegetables; Wheat; Wool; and headings beginning Agricultural.
Refer from Arts, useful; Botany; Country life; Farming; Fruit; Gardening; Husbandry; Land; Market gardening; Planting; Plants; Rural economy.
Ague. *See* Malarial fever.
Air. *See also* Aerial navigation; Barometer; Meteorology; Ventilation.
Refer from Atmosphere; Chemistry; Meteorology; Physics.
Air-engine.
Refer from Engines.
Air pump.
Refer from Philosophical instruments; Pumps.
Albigenses. ~~*See also* Waldenses.~~
Refer from Church history; Waldenses.
Alchemy. *See also* Chemistry.
Refer from Chemistry; Gold; Hermetic art; Metals; Occult sciences; Superstition; Transmutation of metals.
Alcohol. *See also* Brewing; Distillation; Liquors; Temperance.
Refer from Chemistry; Distillation; Food;

Aix
Akabah, Gulf of
Akkadian Philology. See Assyrian Babylonian Philology
Alabama claims
Alaska
Albania

Liquors; Stimulants and narcotics; Temperance; Wine.

Alcoran. *See* Koran.

Ale. *See also* Beer; Brewing.
Refer from Beer; Liquors.

Algæ.
Refer from Botany; Cryptogams; Marine plants; Mosses; Ocean; Sea mosses; Seashore; Seaweeds.

Algebra. *See also* Equations; Mathematics; Numbers.
Refer from Analysis, mathematical; Equations; Mathematics.

Aliens. *See also* Allegiance; Citizenship; Naturalization.
Refer from Allegiance; International law; Law.

Alkalies.
Refer from Chemistry.

Allegiance. *See also* Aliens; Citizenship; Naturalization.
Refer from Aliens; Citizenship; International law; Law.

Allegories. *See also* Parables.
Refer from Fiction; Parables; Religion.

Allegory.
Refer from Rhetoric.

Allopathy. [For polemical treatises only.]
See also Homeopathy.
Refer from Homeopathy; Medicine.

Alloys. *See also* Amalgamation.
Refer from Amalgamation; Metals.

Almanacs. *See also* Chronology; Nautical almanacs; Year books.
Refer from Annuals; Astronomy; Calendars; Registers; Statistics; Time; Year books.

Almsgiving. *See* Charity; Poor.

Almshouses. *See also* Charities; Poor.
Refer from Charities; Poor; Poorhouses.

Alphabet. *See also* Alphabets; Cuneiform writing; Hieroglyphics; Inscriptions; Printing; Writing.
Refer from Inscriptions; Language; Letters (of the alphabet); Phonetics; Writing.

Alphabets. *See also* Illumination; Monograms.
Refer from Alphabet; Decoration and ornament; Illumination (of mss. and books); Lettering; Monograms; Ornamental alphabets; Painting, mechanical; Penmanship; Sign painting.

Alcyonida
Alexandria

Algeria + Algiers
Algonquin languages

Alpine clubs. *See also* Geographical societies; Mountaineering.
Refer from Geographical societies; Mountaineering; Mountains.
Alpine plants.
Refer from Botany; Mountains.
Alpine zoology.
Refer from Mountains; Zoology.
Altars. *See also* Lord's supper; Mass.
Refer from Church furniture.
Alternating currents. *See* Electric currents.
Amalgamation. *See also* Alloys; Mercury.
Refer from Alloys; Metals.
Amateur operas.
Refer from Amusements; Opera.
Amateur theatricals. *See also* Acting; Charades; Pantomime; Shadow pantomimes; Tableaux.
Refer from Acting; Amusements; Charades; Drama; Private theatricals; Tableaux.
Amazons.
Refer from Woman.
Ambassadors. *See also* Diplomacy.
Refer from Diplomacy; International law; Ministers (of state).
Ambulances.
Refer from Carriages; Military surgery; Vehicles.
American aborigines. *See* Indians.
American loyalists. *See also* U.S., *History, Revolution.*
Refer from Biography; Loyalists, American; Tories, American; U. S., *History, Revolution.*
American party.
Refer from Know-nothings; Parties; U. S., *Politics.*
American revolution. *See* U. S., *History, Revolution.*
Americanisms.
Refer from Dialects; English language; Slang.
Ammunition. *See also* Fire arms; Gunpowder; Projectiles.
Refer from Fire arms; Gun; Military art and science; Ordnance.
Amphibia. *See* Batrachia.
Amphitheatres. *See also* Gladiators.
Refer from Architecture.
Amphoræ. *See* Vases.
Amputation.
Refer from Military surgery; Naval surgery; Surgery.

Alps, the

Alsace or Elsass
Alternation of generations
Alton

Amazon River

Ambrosden
America – Antiquities
America – Discovery & gen. Hist
America, Central
America, North
America, South. See also Amazon R.,
American literature – Collections
See also English literature
American literature – Hist. & criticism
See also English literature

Amherst College
~~Ammonia~~

Amulets.
Refer from Archaeology; Charms; Superstition; Talismans.

Amusements. *See also* Acting; Amateur operas; Amateur theatricals; Ballet; Balls; Camping; Cards; Charades; Circus; Coaching; Concerts; Conjuring; Danci g; Dolls; Enigmas; Fairs; Fencing; Festivals; Fortune telling, Games; Masquerades; Music; Opera; Palmistry; Pantomime; Puzzles; Riddles; Sports; Tableaux; Theatre; Toys; Ventriloquism.
Refer from Entertainments; Ethics; Games; Recreation; Sports.

Ana. *See* Anecdotes.

Anabaptists. *See* Baptists.

Anaesthetics. *See also* Chloroform; Ether.
Refer from Chloroform; Ether; Materia medica; Medicine; Pain; Surgery.

Anagrams.
Refer from Literature.

Analysis. *See* Assaying; Blowpipe; Chemistry; Spectrum; *also* name of substance analyzed.

Analysis, mathematical. *See* Algebra; Calculus.

Analysis of food. *See* Adulterations; Food.

Analytical geometry. *See* Geometry.

? Anarch~~y~~ism. *See also* Nihilism.
Refer from Nihilism; Political science.

Anatomy, comparative. *See also* Abdomen; Anatomy for artists; Anthropometry; Arteries; Autopsy; Bones; Brain; Breast; Dissection; Ear; Eye; Foot; Hand; Head; Heart; Histology; Intestines; Joints; Liver; Lungs; Mouth; Nerves; Nervous system; Nose; Physiology; Skull; Spine; Stomach; Surgery; Teeth; Throat; Veins; Vivisection.
Refer from Biology; Body, human; Dissection; Histology; Human body; Man; Medicine; Morphology; Pathology; Physiology; Surgery; Zoology.

Anatomy for artists. *See also* Expression.
Refer from Anatomy; Artistic anatomy; Artists; Arts, fine; Drawing; Expression; Human figure; Painting; Sculpture.

Ancestor worship. *See also* Confucianism.
Refer from Parents; Worship.

Ancestry. *See* Genealogy; Heredity.

Anchors.
Refer from Ships.

Anatolia

Anatomy, human

Ancien regime. *See* France, *History*.

Ancient art, geography, history, etc. *See* under Art, Geography, History, etc.

Anecdotes. *See also* Table talk.
Refer from Ana; Biography; Literature; Table talk; Wit and humor.

Aneroid barometer. *See also* Barometer.
Refer from Barometer.

Angels. *See also* Demonology.
Refer from Bible, Heaven; Theology.

Angling. *See* Fishing.

Aniline colors. *See also* Dyeing.
Refer from Chemistry; Coal; Coal tar colors; Color; Dyeing.

Animal electricity.
Refer from Electricity; Zoology.

Animal food. *See also* Cannibalism; Meat; Vegetarianism.
Refer from Food; Meat; Vegetarianism.

Animal heat.
Refer from Heat; Temperature; Zoology.

Animal kingdom. *See* Zoology.

Animal locomotion. *See also* Birds; Flight; Running; Walking; Wings.
Refer from Birds; Flight; Locomotion; Zoology.

Animal magnetism. *See also* Clairvoyance; Hypnotism; Mind reading; Second sight.
Refer from Clairvoyance; Hypnotism; Magnetism; Medicine; Mesmerism; Mind and body; Mind cure; Mind reading; Physiology; Psychology; Sleep; Spiritualism; Therapeutics.

Animalcules. *See also* Microscope.
Refer from Zoology.

Animals. *See* Domestic animals; Hunting; Zoology; *also* headings beginning with animal.

Animals, legends of. *See also* Bestiaries; Fables.
Refer from Legends; Mythology; Zoological mythology.

Animals, training of. *See also* Domestication.
Refer from Domestication.

Animals, treatment of. *See also* Vivisection.
Refer from Brutes; Cruelty; Ethics; Kindness to animals.

Animals, worship of. *See also* Serpent worship
Refer from Mythology; Worship; Zoological mythology.

Anglo-Saxon Language — Dictionaries
Grammar
Phonology
Prosody
Readers

Anglo-Saxon Literature — Bibliography
Collections
History
See also Eng.
Individual au

Angus

Animals, Colour of
Geographical distribution of
Intelligence of

Annals. *See* Chronology; History.

Annealing. *See also* Glass; Iron.
Refer from Metals.

Annelida

Annihilation. *See also* Future life.
Refer from Future life; Theology.

Annuals. [Enter here only the old-fashioned gift-books.] *See also* Almanacs; Year books.
Refer from Year books.

Annuals (plants).
Refer from Floriculture.

Annuities. + Assurances
Refer from Insurance; Investments; Probabilities.

Anonyms.
Refer from Authors; Bibliography.

Anthozoa

Antarctic regions.
Refer from Arctic regions; Earth; Polar regions; Voyages and travels.

Anthems. *See also* Chants; Church music; Hymns.
Refer from Chants; Church music; Music; Songs.

Anthropology. *See* Civilization; Ethnology; Language; Man; Woman.

Anthropometry.
Refer from Anatomy; Man.

Antichrist.
Refer from Jesus Christ; Theology.

Anticosti

Antinomianism.
Refer from Calvinism; Congregationalism; Massachusetts, *Church history;* Theology.

Antilles Islands

Antiquarian societies.
Refer from Historical societies.

Antiquities. *See* Archaeology; *also* under names of countries, etc.

Anti-slavery. *See* Slavery.

Antiseptics. *See also* Disinfection.
Refer from Disinfection; Medicine; Surgery; Therapeutics.

Ants

Apartment houses.
Refer from Architecture, domestic; Flats; Hotels.

Apes. *See also* Gorilla; Monkeys.
Refer from Mammals; Monkeys; Zoology.

Aphasia

Aphorisms. *See* Epigrams; Maxims; Proverbs; Quotations; Table talk.

Aphides

Apiculture. *See* Bees.

Apocalypse. *See* Bible.

Apocrypha. + uncanonical scripture *See* Bible.

Apocryphal gospels, *etc.* *See also* Apostles' creed; Apostolic constitutions.
Refer from Apostles' creed; Bible; Fathers of the church.

Apologetics. *See* Christianity.

Apoplexy.
Refer from Brain; Paralysis; Pathology.

Apostles. *See also* Bible.
Refer from Bible; Christian biography; Church history; Evangelists; Jesus Christ; Theology.

Apostles' creed. *See also* Apocryphal gospels.
Refer from Apocryphal gospels; Church of England; Creeds; Protestant episcopal church in the U. S.

Apostolic church. *See* Church history.

Apostolic constitutions.
Refer from Apocryphal gospels, *etc.;* Church law; Fathers of the church; Theology.

Apostolic fathers. *See also* Fathers of the church.
Refer from Christian biography; Church history; Fathers of the church.

Apostolic succession. *See also* Bishops; Episcopacy; Popes.
Refer from Bishops; Church history; Church of England; Church polity; Episcopacy; Popes; Protestant episcopal church in the U. S.; Theology.

Apothecaries. *See also* Pharmacy.
Refer from Biography; Pharmacy.

Apothegms. *See* Epigrams; Maxims; Proverbs; Quotations; Table talk.

Apparatus. *See* Instruments.

Appaladian or Florida Indian langu

Apparitions. *See also* Demonology; Ghosts; Spiritualism.
Refer from Delusions; Demonology; Dreams; Ghosts; Hallucinations; Illusions; Phantoms; Psychology; Spectres; Spirits; Spiritualism; Supernatural; Superstition; Visions.

Appeal.
Refer from Law.

Apprentices.
Refer from Boys; Labor; Master and servant; Political economy.

Aquarium.
Refer from Fish; Marine zoology; Natural history; Zoology.

Aquatic animals. *See* Marine zoology.

Aqueducts.
Refer from Canals; Engineering; Hydraulic engineering; Water supply.

Arabesque.
Refer from Decoration and ornament.

Arbitration.
Refer from Commercial law; International law; Labor; Law.

Arbor day. *See also* Forestry.
Refer from Forestry; Holidays; Trees.

Arboriculture. *See* Forestry; Fruit.

Arc lamps. *See* Electric lamps.

Archaeology, General. *See also* Amulets; Architecture; Arms and armor; Arrow-heads; Arts, fine; Barrows; Baths and bathing; Bells; Bible; Brasses; Bronze age; Bronzes; Burial; Castles; Catacombs; Caves; Cemeteries; Chariots; Christian art; Church antiquities; Civilization; Classical antiquities; Cliff dwellings; Coffins; Coins and medals; Costume; Epitaphs; Ethnology; Folklore; Fountains; Gems; Glass; Heraldry; History; Indians; Inscriptions; Lake dwellings; Man; Manners and customs; Marriage; Middle ages; Monuments; Mound builders; Mounds; Mummies; Mythology; Obelisks; Pageants; Painting; Pottery; Pyramids; Sculpture; Seals; Shell-mounds; Signboards; Stone age; Sun-dials; Temples; Tombs; *also* names of countries, sub-head *Antiquities*.
Refer from Antiquities, Architecture; Arts, fine; Civilization; Classical antiquities; Ethnology; Excavations; History; History, ancient; Man; Manners and customs; Monuments; Mythology; Prehistoric archaeology; Ruins.

Archbishops. *See also* Bishops; Christian biography.
Refer from Bishops; Catholic church; Christian biography; Church of England; Episcopacy.

Archery.
Refer from Arrows; Games; Shooting; Sports.

Arches. *See also* Arches of triumph; Vaulting.
Refer from Architecture; Bridges; Engineering; Masonry; Roofs; Vaulting; Voussoir arches.

Aquitani, the

Arabia and the Arabs

Arabic language — Dict.
Gen. & misc.
Gram.
Prosody
Readers

Arabic literature — Bibliography
Collections
History

Aramaic language — Dict.
Gen. & m
Gram

Aramaic literature

Archaeology, Prehistoric
Archaeology, Classical

Arches of triumph.
Refer from Arches; Architecture; Monuments; Triumphal arches.

Architects.
Refer from Architecture; Artists; Biography.

Architectural drawing.
Refer from Architecture; Drawing; Mechanical drawing.

Architecture. *See also* Amphitheatres; Archaeology; Arches; Arches of triumph; Architects; Architectural drawing; Arts fine; Baptisteries; Barns; Basilicas; Baths and bathing; Bridges; Building associations; Building materials; Carpentry; Castles; Cathedrals; Chimneys; Christian art; Church architecture; Cliff dwellings; Columns; Decoration and ornament; Domes; Doors; Fences; Floors; Foundations; Fountains; Gates; Girders; Gothic architecture; Greenhouses; Handrailing; Hardware; Heating; Hospitals; Hotels; House painting; Lake dwellings; Libraries; Masonry; Metal-work; Obelisks; Orders (architectural); Palaces; Plumbing; Pyramids; Sanitary engineering; School houses; Sound; Spires; Stables; Stair-building; Strength of materials; Temples; Theatre; Tombs; Towers; Trusses; Vaulting; Ventilation; Walls; Windows.
Refer from Archaeology; Arts, fine; Arts, useful; Building; Carpentry; Decoration and ornament; Engineering; Rural architecture; Strength of materials.

Architecture, domestic. *See also* Apartment houses; Cottages; House decoration; House painting.
Refer from Cottages; Domestic architecture; Dwellings; Houses; Villas.

Architecture, military. *See* Fortification; Military architecture.

Architecture, naval. *See* Shipbuilding.

Arctic regions. *See also* Antarctic regions; North pole; Northeast passage; Northwest passage., Lapland
Refer from Earth; Geography; Ice; North pole; Northeast passage; Northwest passage; Polar regions; Voyages and travels.

Argonauts.
Refer from Golden fleece; Mythology.

Architecture — Examples & illustrations
" ~~Domestic~~
" History
" Theory & principles

Ardres
Argentine Republic

Argot. *See* Slang.

Arianism. *See also* Socinianism; Trinity; Unitarianism.
Refer from Church history; Jesus Christ; Socinianism; Trinity; Unitarianism.

Arithmetic. *See also* Arithmetical instruments; Bookkeeping; Decimal system; Interest; Mensuration; Metric system; Numbers; Numerals.
Refer from Accounts; Mathematics; Mental arithmetic; Numbers (theory of); Weights and measures.

Arithmetical instruments. *See also* Calculating machines.
Refer from Arithmetic; Instruments; Mathematical instruments.

Armatures.
Refer from Electric engineering; Electricity; Electromagnets.

Arminianism.
Refer from Predestination; Theology.

Armor. *See* Arms and armor.

Armored vessels.
Refer from Iron-clad vessels; Naval art and science; Shipbuilding; Ships.

Arms, coats of. *See* Heraldry.

Arms and armor. *See also* Artillery; Bayonet; Fire arms; Gun; Gunnery; Helmets; Ordnance; Pistol; Rifle; Sword.
Refer from Archaeology; Armor; Costume; Fire arms; Heraldry; Military art and science; Weapons.

Army. *See* Military art and science; *also* names of countries.

Arrest.
Refer from Constables; Criminal law; Imprisonment; Law.

Arrow-heads.
Refer from Archaeology.

Arrows. *See* Archery.

Arsenals.
Refer from Military architecture.

Art. *See also* Arts, fine; Arts, useful.
Refer from Aesthetics.

Art education.
Refer from Arts, fine; Education.

Art galleries.
Refer from Arts, fine; Exhibitions; Museums; Paintings; Pictures.

Arteries. *See also* Blood; Veins.
Refer from Anatomy; Blood; Veins.

Arizona
Arles
Armenia

Art — Catalogues of collections
" General (including theory
" History

Artesian wells. *See also* Boring; Wells.
Refer from Boring; Hydraulic engineering; Water supply; Wells.

Articles, thirty-nine. *See* Church of England.

Artificial flowers. *See also* Wax flowers.
Refer from Fancy work; Flowers.

Artillery. *See also* Gunnery; Military art and science; Naval artillery; Ordnance; Projectiles.
Refer from Arms and armor; Batteries; Fire arms; Gun; Gunnery; Military art and science; Ordnance; Tactics.

Artistic anatomy. *See* Anatomy for artists.

Artists. *See also* Anatomy for artists; Architects; Engravers; Musicians; Painters; Sculptors.
Refer from Arts, fine; Biography; Engravers; Painters; Painting; Sculptors.

Arts, fine. *See also* Aesthetics; Anatomy for artists; Archaeology; Architecture; Art education; Art galleries; Artists; Brasses; Bric-a-brac; Bronzes; Caricature; Carving; Christian art and symbolism; Coins and medals; Costume; Decoration and ornament; Drawing; Embroidery; Enamel; Engraving; Etching; Exhibitions; Frescoes; Furniture; Gems; Glass; Glass painting; Goldsmithing; House decoration; Illumination; Iron work; Jewelry; Lace; Landscape gardening; Leather work; Lithography; Metal-work; Miniature painting; Mosaics; Music; Needlework; Painting; Photography; Portraits; Pottery; Renaissance; Sculpture; Silhouettes; Silversmithing; Symbolism; Tapestry.
Refer from Aesthetics; Archaeology; Architecture; Art; Christian art and symbolism; Composition; Criticism; Decoration and ornament; Design; Engraving; Fine arts; Graphic arts; Illustration of books; Painting; Sculpture.

Arts, useful. *See also* Agriculture; Architecture; Assaying; Blacksmithing; Bookbinding; Brewing; Bricks; Bridges; Business; Cabinet work; Calico-printing; Carpentry; Carving; Casting; Chemistry; Commerce; Cookery; Decoration and ornament; Distillation; Domestic economy; Dyeing; Electric engineering; Engineering; Engraving; Exhibitions; Factories; Fisheries; Floriculture; Fur-

niture; Gardening; Gilding; Glass; Horseshoeing; Inventions; Machinery; Manual training; Manufactures; Masonry; Mechanics; Medicine; Metalwork; Metals; Mills; Mines and mining; Navigation; Painting, mechanical; Patents; Photography; Plumbing; Pottery; Printing; Receipts; Shipbuilding; Surveying; Tanning; Tapestry; Technical education; Telegraph; Textile fabrics; Time-keepers; Tools; Turning; Upholstery; Weaving; Woodwork.

Refer from Art; Chemistry; Discoveries (in science); Domestic economy; Engineering; Industrial arts; Manufactures; Mechanic arts; Science; Technology; Useful arts.

Aryans.

Refer from Ethnology; Mythology; Religions.

Asceticism, *See also* Fasting; Hermits; Monasticism.

Refer from Church polity; Fasting; Hermits; Monasticism; Theology.

Ash-Wednesday. *See also* Lent.

Refer from Fasts and feasts; Lent.

Assassination. *See also* Murder.

Refer from Criminal law; Murder.

Assault.

Refer from Criminal law; Law.

Assaying. *See also* Blowpipe; Metals.

Refer from Analysis; Arts, useful; Blowpipe; Chemistry; Metals; Mineralogy.

Assessment. *See* Taxation.

Assignments. *See also* Bankruptcy.

Refer from Bankruptcy; Commercial law; Contracts; Debt; Law.

Association. *See* Cooperation.

Associations. *See* Corporations; Guilds; Societies; Trade unions.

Assurance. *See* Insurance.

Asteroids.

Refer from Astronomy; Planets; Solar system; Stars.

Asthma.

Refer from Breathing; Pathology.

Astrology.

Refer from Astronomy; Fortune-telling; Hermetic art; Occult sciences; Omens; Planets; Stars; Superstition.

Astronomers.

Refer from Astronomy; Biography; Scientists.

Arundel

Aryan Philology
See Indo-European

Ashantee language

Asia

Asia minor
Aspido-chirotae
~~Assada~~

Assam

Assyria
Assyrio-Babylonian language
" -
" -

Asterida - See Star-fishes

Astronomical instruments. *See also* Telescope.
Refer from Astronomy; Instruments; Optical instruments; Philosophical instruments.

Astronomical photography.
Refer from Astronomy; Photography.

Astronomy. *See also* Almanacs; Asteroids; Astrology; Astronomers; Astronomical instruments; Astronomical photography; Chronology; Comets; Earth; Eclipses; Equinoxes; Globes; Gravitation· Latitude; Longitude; Meteors; Moon; Nautical almanacs; Nautical astronomy; Navigation; Nebulæ; Nebular hypothesis; Pendulum; Planets [and their names]; Plurality of worlds; Seasons; Solar system; Space; Spectrum; Stars; Sun; Telescope; Tides; Time; Transits; Universe; Zodiac; Zodiacal light.
Refer from Atlases; Earth; Eclipses; Globes; Gravitation; Heavens; Mathematics; Physics; Planets; Science; Sky; Solar system; Stars; Time; Universe.

Astronomy – Bibliography
General
History
Practical
Tables

Asylum, right of.
Refer from Law; Sanctuary.

Asylums. *See also* Hospitals; Insane hospitals.
Refer from Charities; Hospitals; Medicine.

Athanasian creed.
Refer from Church of England; Creeds; Trinity.

Athapascan Languages

Atheism. *See also* Agnosticism; Deism; God; Materialism; Natural religion; Skepticism; Theism.
Refer from Agnosticism; Deism; God; Natural religion; Philosophy; Religion; Skepticism; Theism; Theology.

Athens

Athletics. *See* Gymnastics; Physical education; Sports.

Athos, Mt.

Atlases. maps *See also* Astronomy; Geography; Historical atlases; Maps.
Refer from Geography; Maps.

Atlantic Ocean

Atmosphere. *See* Air; Meteorology.

Atoms. *See also* Chemistry; Molecules; Physics.
Refer from Chemistry; Matter; Molecules; Physics.

Atonement. *See also* Jesus Christ.
Refer from Jesus Christ; Sacrifice; Theology.

Attachment.
Refer from Commercial law; Law.
Attorneys. *See also* Agents.
Refer from Agents; Law.
Auctions.
Refer from Business; Commerce; Sale.
Augury. *See* Divination.
Auricular confession. *See* Confession.
Aurora.
Refer from Meteorology; Northern lights.
Authors. *See also* Anonyms; Authorship; Bibliography; Copyright; Dramatists; Historians; Literature; Musicians; Naturalists; Novelists; Poets; Pseudonyms; Scientists.
Refer from Biography; Literary men; Literature; Writers.
Authorship. *See also* Journalism; Versification.
Refer from Authors; Journalism; Literature; Writing.
Autographs.
Refer from Biography; Handwriting; Signatures.
Autopsy.
Refer from Anatomy; Death; Dissection; Medical jurisprudence; Medicine; Pathology; Post-mortem examinations; Surgery.
Autumn.
Refer from Fall; Seasons.
Autumnal catarrh. *See* Hay fever.
Avalanches.
Refer from Mountains.
Avesta. *See also* Parsees.
Refer from Parsees.
Awards.
Refer from Law.
Axioms.
Refer from Geometry; Mathematics; Philosophy; Truth.
Backgammon.
Refer from Games.
Bacteria. *See also* Fermentation; Germ theory.
Refer from Botany; Contagion; Fermentation; Fungi; Germ theory; Medicine; Microbes; Parasites; Pathology.
Bail.
Refer from Criminal law; Law.
Bailments.
Refer from Contracts; Guaranties and sureties; Law.

attica

Augsburg
Augsburg Confession
Australasia
Australia — Description + Trav
Ethnology
Fauna
Flora
Geology
History &c
Languages
Palaeontology

Austria (including Hungary) — Descr
History
Law

Autun

Awk
Azores
Aztecs

Babylon, Bel aly Assyr
Baden

Baking. *See also* Bread; Cookery.
Refer from Cookery.
Baldness. *See also* Hair.
Refer from Hair; Head.
Ball. *See* Baseball; Cricket; Football.
Ballads. *See also* Chap-books; Legends; Lyric poetry; Poetry; Songs; *also* English, *etc.*, ballads.
Refer from Carols; Chap-books; Folklore; Legends; Literature; Lyric poetry; Poetry; Songs.
Ballet.
Refer from Amusements; Dancing; Theatre.
Balloons. *See* Aerial navigation.
Ballot. *See also* Election; Suffrage.
Refer from Election; Political science; Suffrage; Voting.
Balls (parties). *See also* Dancing; Masquerades.
Refer from Amusements; Dancing; Parties.
Banditti. *See* Brigands.
Bank notes. *See also* Counterfeits; Paper money.
Refer from Banks; Counterfeits; Engraving; Money; Paper money.
Bankers.
Refer from Banks; Biography.
Banking. *See* Banks and Banking.
Bankruptcy. *See also* Assignments; Debt; Receivers.
Refer from Assignments; Commerce; Commercial law; Corporations; Debt; Insolvency; Law.
Banks and banking. *See also* Bank notes; Bankers; Building associations; Credit; Exchange; Finance; Interest; Money; Pawnbroking; Savings banks; Stock exchange; Stocks.
Refer from Banking; Bills of credit; Bills of exchange; Bimetallism; Commerce; Credit; Finance; Investments; Money; National banks; Paper money; Political economy; Stock exchange; Wealth.
Banners. *See* Flags.
Baptism. *See also* Baptismal fonts; Baptisteries; Baptists; Close communion; Regeneration; Sacraments.
Refer from Baptists; Church antiquities; Church membership; Church polity; Regeneration; Rites and ceremonies; Sacraments; Theology.

Baluchistan
Bamberg
Bank of England

Bantam

Baptismal fonts.
Refer from Baptism; Church furniture; Fonts.
Baptisteries.
Refer from Architecture; Baptism; Church architecture.
Baptists. *See also* Baptism; Close Communion.
Refer from Anabaptists; Baptism; Close communion; Congregationalism; Sects.
Bar. *See* Lawyers.
Bards. *See also* Minnesingers; Minstrels; Troubadours; Trouvères.
Refer from Minstrels; Poetry.
Bark.
Refer from Botany; Trees.
Barns. *See also* Stables.
Refer from Agriculture; Architecture; Cattle; Domestic animals; Horse; Stables.
Barometer. *See also* Aneroid barometer.
Refer from Air; Aneroid barometer; Meteorology; Physics; Surveying.
Baronage. *See also* Peerage.
Refer from Peerage.
Baronetage. *See also* Peerage.
Refer from Peerage.
Barrows. *See also* Mounds.
Refer from Archaeology; Burial; Mounds; Tombs; Tumuli.
Baseball.
Refer from Ball; Games.
Basilicas. *See also* Church architecture.
Refer from Architecture; Church architecture.
Bas-relief. *See also* Carving; Sculpture.
Refer from Carving; Decoration and ornament; Sculpture.
Baths and bathing. *See also* Diving; Hydropathy; Swimming.
Refer from Archaeology; Architecture; Cleanliness; Hydropathy; Hygiene; Sea bathing; Seashore; Sports; Swimming; Therapeutics; Toilet; Water.
Batrachia.
Refer from Amphibia; Reptiles; Vertebrates; Zoology.
Batteries. *See* Artillery; Electric batteries; Storage batteries.
Battle, wager of. *See* Wager of battle.
Battles. *See also* Sieges; *also* names of battles, countries, generals, wars, etc.
Refer from History; Military art and science: Military history; Naval history; Sieges; War.

Barbary States

Barren Lands

Basmuric Language
Basque language
Batavia

Bavaria

Bayonet.
Refer from Arms and armor; Gun; Military art and science.
Beaches. *See also* Seashore.
Refer from Physical geography; Seashore.
Beacons. *See also* Lighthouses.
Refer from Life saving; Navigation.
Beads. *See also* Rosary.
Refer from Jewelry.
Beasts. *See* Bestiaries; Domestic animals; Zoology.
Beatitudes. *See also* Bible; Sermon on the Mount.
Refer from Bible; Sermon on the Mount.
Beautiful, the. *See* Aesthetics.
Beauty, personal. *See also* Cosmetics; Costume.
Refer from Woman.
Beds.
Refer from Furniture.
Beer. *See also* Ale; Brewing.
Refer from Ale; Brewing; Liquors; Malt; Temperance.
Bees. *See also* Wax.
Refer from Agriculture; Apiculture; Honey; Insects.
Beetles.
Refer from Coleoptera; Insects.
Begging. *See also* Charity; Poor.
Refer from Mendicity; Poor.
Behavior. *See* Etiquette.
Being.
Refer from Ontology; Philosophy.
Belief. *See also* Certainty; Creeds; Doubt; Faith; Religions; Sects: Truth.
Refer from Certainty: Doubt: Faith: Intellect; Philosophy; Psychology; Religion; Theology; Truth.
Belles-lettres. *See* Literature.
Bells. *See also* Electric bells.
Refer from Archaeology; Chiming; Church antiquities.
Belting.
Refer from Machinery.
Benedictines.
Refer from Monasticism.
Benefit of clergy.
Refer from Church law; Church polity; Clergy; Law.
Benefit societies. *See* Friendly societies.
Benevolence. *See* Charity; Poor.
Benevolent societies. *See* Charitable societies.

Beaver

Beetroot

Bengal

Belgium — Desc. Hist.
see also Netherlands

Belgrade

Beneventum

Bengal

Berlin

Bermuda

Bésique. *See* Bézique.

Bestiaries.
Refer from Animals, legends of; Beasts; Literature.

Betting. *See also* Gambling; Probabilities.
Refer from Gambling; Sports; Wagers.

Beverages. *See also* Coffee; Food; Liquors [and names of liquors]; Milk; Stimulants and narcotics; Tea; Temperance; Water.
Refer from Diet; Drinks; Food; Manufactures; Stimulants and narcotics; Temperance.

Bézique.
Refer from Bésique; Cards.

Bible. *See also* Angels; Apocryphal gospels; Apostles; Beatitudes; Christianity; Church history; Commandments, ten; Creation; Deluge; Fall of man; God; Jesus Christ; Jews; Lord's prayer; Miracles; Parables; Patriarchs; Prophecies; Prophets; Religion and science; Revelation; Saints; Sermon on the Mount; Talmud; Theology.
[The amount of subdivision of this heading depends so much on the number of books, that it has been thought best to leave it undivided. A comparison of the larger catalogs will give suggestions.]
Refer from Apocalypse; Apocrypha; Apostles; Archaeology; Beatitudes; Christianity; Church history; Commentaries; Concordance; Creation; Deluge, the; Evangelists; Evidences of the Bible; God; Hermeneutics; Jesus Christ; Jews; Parables; Prophecies; Prophets; Psalmody; Religion; Revelation; Sacred history; Scriptures; Theology; *also from* names of books and other divisions of the Bible. [It is best to enter all such here.]

Bible classes. *See also* Sunday schools.
Refer from Religious education; Sunday schools.

Bible in the schools.
Refer from Education; Public schools; Religious education.

Bible societies.
Refer from Societies.

Bibliography. *See also* Anonyms; Bookbinding; Bookplates; Books; Cataloging; Classification; Indexes; Indexing; Libraries; Library catalogs; Literature;

Bible — Antiq.
" Canon of Scripture
Chronology
Codices
Commentaries (whole Bi
~~Concord~~ " (O.T.)
" (N.T.)
Concordances
Dictionaries
Evidences
Geography & Topography
History [of the Book]
Introd. & gen. crit.
Natural History
Philosophy & Psychologi
Scripture History. See Jews,
Theology

Manuscripts; Pseudonyms; Reading; *also* names of literatures as English, American, *etc.; also*, names of persons, places, and subjects for lists of books relating to them.

Refer from Authors; Books; Catalogs; Libraries; Library catalogs; Literary history; Literature; Reading.

Bibliomania. *See* Book collecting.

Bicycling. *See* Cycling.

Bilious fever. *See also* Liver.

Refer from Fever; Liver.

Billiards.

Refer from Games.

Bills of credit. *See* Banks and banking; Credit; Money; Paper money.

Bills of exchange. *See* Banks and banking; Credit; Exchange; Money; Paper money.

Bimetallism. *See also* Banks; Finance; Gold; Money; Silver.

Refer from Finance; Gold; Money; Silver.

Binding. *See* Bookbinding.

Biography. *See also* Abolitionists; Actors; Actresses; Admirals; American loyalists; Anecdotes; Apothecaries; Architects; Artists; Astronomers; Authors; Autographs; Bankers; Bishops; Booksellers; Botanists; Brigands; Cardinals; Chancellors; Chief justices; Christian biography; Classical biography; Contemporaries; Criminals; Dramatists; Electricians; Emperors; Engineers; Engravers; Epitaphs; Explorers; Fathers of the church; Genealogy; Generals; Governors; Heraldry; Heroes; Historians; History; Judges; Justices of the peace; Kings; Lawyers; Librarians; Mechanics; Merchants; Military biography; Ministers; Missionaries; Musicians; Naturalists; Naval biography; Orators; Painters; Patriarchs; Peerage; Philanthropists; Philosophers; Physicians; Pilgrim fathers; Poets; Portraits; Presidents; Prime ministers; Prophets; Queens; Reformers; Saints; Scientists; Sculptors; Shoemakers; Singers; Soldiers; Statesmen; Surgeons; Table talk, Teachers; Travelers; Woman.

Refer from Genealogy; History; Lives; Memoirs.

Biogenesis

Biography — Coll. Dict.

Biology. *See also* Anatomy; Botany; Cells; Death; Embryology; Evolution; Heredity; Hygiene; Longevity; Natural

history; Physiology; Protoplasm; Sex; Species; Zoology.

Refer from Botany; Cells; Death; Embryology; Evolution; Heredity; Life; Natural history; Philosophy; Physiology; Protoplasm; Psychology; Science; Zoology.

Birds. *See also* Animal locomotion; Cage birds; Eggs; Falconry; Flight; Game; Nests; Pigeons; Poultry; Taxidermy; Wings.

Refer from Animal locomotion; Eggs; Flight; Nests; Oology; Ornithology; Vertebrates; Zoology.

Birkbeck Schools

Birthday books.

Refer from Birthdays; Days.

Birthdays. *See also* Birthday books.

Refer from Days.

Bishop Hill Colony

Bishop's Stortford

Bishops. *See also* Apostolic succession; Archbishops; Episcopacy; Ordination.

Refer from Apostolic succession; Archbishops; Biography; Catholic church; Christian biography; Church of England; Episcopacy; Protestant episcopal church in the U. S.

Black art. *See* Witchcraft.

Black death.

Refer from Contagion; Epidemics; Pathology.

Blacksmithing. *See also* Horse-shoeing; Iron work,

Refer from Arts, useful; Horse-shoeing; Iron work.

Blanc, M.

Blasting. *See also* Explosives; Quarrying.

Refer from Engineering; Explosives; Mines and mining; Quarrying; Stone; Tunnels.

Bleaching. *See also* Cleaning; Dyeing.

Refer from Cleaning; Dyeing; Textile fabrics.

Bleeding. *See* Blood-letting.

Blind. *See also* Color-blindness.

Refer from Education; Eye; Light; Senses; Sight.

Blind Asylums

Block books. *See also* Printing.

Refer from Books; Printing; Xylography.

Blockade. *See also* International law; Neutrality.

Refer from International law; Naval art and science; Neutrality.

Blood. *See also* Arteries; Blood-letting; Heart; Hemorrhage; Veins.

Refer from Arteries; Circulation of the blood; Heart; Pathology; Physiology.

Blood-letting. *See also* Cupping.
Refer from Bleeding; Blood; Cupping; Surgery; Therapeutics; Venesection.
Blowpipe. *See also* Assaying; Chemistry; Mineralogy.
Refer from Analysis; Assaying; Chemistry; Metals; Mineralogy.
Blunders.
Refer from Delusions; Errors; Mistakes.
Boating. *See also* Canoeing; Life boats; Navigation; Rowing; Sailing; Yachting.
Refer from Navigation; Rowing; Sailing; Shipbuilding; Ships; Sports; Yachting.
Body, human. *See* Anatomy; Physiology.
Body and mind. *See* Mind and body.
Boilers. *See also* Fuel; Steam; Steam navigation.
Refer from Explosives; Steam; Steam boilers; Steam engine.
Bonds. *See also* Corporations; Finance; Investments; Stocks.
Refer from Corporations; Finance; Guaranties and sureties; Investments; Negotiable instruments; Securities; Stocks.
Bones. *See also* Dislocation; Fracture; Joints; Skull.
Refer from Anatomy; Osteology; Skeleton; Surgery.
Book clubs.
Refer from Clubs; Libraries.
Book collecting.
Refer from Bibliomania.
Book of fate. *See* Fortune-tellers.
Bookbinding. *See also* Marbling.
Refer from Arts, useful; Bibliography; Binding; Books; Libraries.
Bookkeeping.
Refer from Accounts; Arithmetic; Business; Business education; Commerce.
Bookplates.
Refer from Bibliography; Ex libris.
Books. *See also* Bibliography; Block books; Bookbinding; Cataloging; Chained books; Children's literature; Classification; Copyright; Illumination; Illustration of books; Libraries; Library catalogs; Literature; Manuscripts; Printing; Prohibited books; Reading; Text-books; Writing.
Refer from Bibliography; Libraries; Literature; Reading.
Booksellers.
Refer from Biography; Publishers.
Bookselling. *See also* Copyright; Printing.

Boden See
Boers, The
Bogomili
Bohemia
Bohemian (or Czech) language
Bombay
Bonn, Univ. of

Refer from Commerce; Literature; Publishing.

Boots. *See* Shoes.

Boring. *See also* Artesian wells.
Refer from Artesian wells; Engineering; Wells.

Boroughs. *See also* Cities; Representation; Towns.
Refer from Cities; Local government; Representation; Towns.

Botanical chemistry.
Refer from Botany; Chemistry.

Botanical gardens.
Refer from Botany; Gardens.

Botanical museums.
Refer from Museums.

Botanical societies.
Refer from Societies.

Botanists.
Refer from Biography; Botany; Scientists.

Botany. *See also* Agricultural botany; Agriculture; Algæ; Alpine plants; Bacteria; Bark; Biology; Botanical; Botanists; Buds; Cells; Climbing plants; Color of flowers; Cryptogams; Evolution; Ferns; Fertilization of plants; Floriculture; Flowers; Forestry; Fruit; Fungi; Gardening; Geographical distribution; Grass; Insectivorous plants; Leaves; Lichens; Medical botany; Microscope; Mosses; Natural history; Orchids; Paleontology; Parasites; Phanerogams; Phosphorescence; Seedlings; Seeds; Shrubs; Trees; Vegetables; Weeds.
Refer from Agriculture; Biology; Flora; Flowers; Gardening; Natural history; Phanerogams; Plants; Science; Shrubs; Trees; Vegetables.

Boulders. *See also* Glaciers; Moraines.
Refer from Erratics; Geology; Glaciers; Moraines.

Boundaries. *See also* Northeast boundary; Northwest boundary; *also* names of countries and states.
Refer from Geography; History.

Bowling.
Refer from Games; Sports.

Boxing.
Refer from Fighting; Pugilism; Sparring; Sports.

Boys. *See also* Apprentices; Children; Young men.

Borneo
Bosnia
Boston

Botany — Bibliography
Economic · See also Agric. Forestry
General
Geog. distrib. of plants
History
Physiological
Structural
Systematic

Bowdoin College

Refer from Children; Conduct of life; Young men; Young people.

Bracelets.
Refer from Costume; Jewelry.

Brahmanism. *See also* Buddhism; Hinduism.
Refer from Buddhism; Hinduism; Religions.

Brain. *See also* Apoplexy; Dreams; Idiocy; Insanity; Intellect; Mind and body; Nervous system; Paralysis; Phrenology; Psychology.
Refer from Anatomy; Head; Insanity; Intellect; Mental diseases; Mind and body; Nervous system; Pathology; Philosophy; Physiology; Psychology; Skull.

Brandy. *See also* Distillation.
Refer from Distillation; Liquors.

Brass. *See also* Brasses; Bronze.
Refer from Metals.

Brasses.
Refer from Archaeology; Arts, fine; Brass; Epitaphs; Metal-work; Monuments; Tombs.

Bread. *See also* Cookery; Flour.
Refer from Baking; Cookery; Food.

Breadstuffs. *See* Grain.

Breakwaters.
Refer from Engineering; Harbors.

Breast.
Refer from Anatomy; Chest.

Breathing. *See also* Asthma; Bronchitis; Catarrh; Chest; Consumption; Croup; Influenza; Lungs; Nose; Throat; Voice.
Refer from Lungs; Physiology; Respiration; Throat.

Breeding. *See* Domestic animals.

Brewing. *See also* Beer; Distillation.
Refer from Alcohol; Ale; Arts, useful; Beer; Distillation; Domestic economy; Liquors; Malt.

Bric-a-brac. *See also* Decoration; Pottery.
Refer from Arts, fine; Decoration and ornament; House decoration; Pottery.

Bricks. *See also* Masonry; Tiles.
Refer from Arts, useful; Building materials; Manufactures; Masonry; Tiles.

Bridges. *See also* Arches; Cables; Girders; Masonry; Strength of materials; Trusses.
Refer from Architecture; Arts, useful; Engineering; Girders; Masonry; Military

Brabant

Brandenburg

Brazil

Breda

Bremen

Breton language

engineering; Railroads; Strength of materials; Trusses; Viaducts.

Brigands. *See also* Highwaymen; Robbers.
Refer from Banditti; Biography; Crime; Highwaymen; Robbers.

Brokers. *See* Agents; Stock exchange.

Bronchitis. *See also* Throat.
Refer from Breathing; Cold (disease); Cough; Pathology; Throat.

Bronze.
Refer from Brass; Metals.

Bronze age.
Refer from Archaeology.

Bronzes.
Refer from Archaeology; Arts, fine; Metal-work; Sculpture.

Bronzing.
Refer from Decoration and ornament.

Brotherhoods. *See also* Monasticism.
Refer from Charities; Church polity; Monasticism; Religious orders.

Brownists. *See also* Congregationalism.
Refer from Congregationalism; Dissenters; Sects.

Bruises.
Refer from Accidents; Contusions.

Brutes. *See* Animals, treatment of; Zoology.

Bryology. *See* Mosses.

Buccaneers. *See also* Pirates.
Refer from Filibusters; Naval history; Pirates.

Bucolic poetry. *See* Pastoral poetry.

Buddha. ~~See Buddhism.~~

Buddhism. *See also* Brahmanism; Hinduism.
Refer from Brahmanism; Buddha; Hinduism; Monasticism; Religions.

Buds.
Refer from Botany; Flowers.

Building. *See* Architecture; Carpentry; Engineering; Masonry.

Building associations.
Refer from Architecture; Banks; Friendly societies; Cooperation; Cooperative building associations; Investments; Loan associations; Savings banks.

Building materials. *See also* Bricks; Cement; Iron; Stone; Strength of materials; Terracotta; Timber; Wood.
Refer from Architecture; Engineering; Strength of materials.

Bulbs.
Refer from Floriculture.

British Columbia

British Guiana

British Honduras. See Hondu

British Museum

Brittany

Brooklyn

Brunswick

Buckinghamshire

Bull fights.
Refer from Fighting; Sports.
Bullion. *See* Money.
Burglary.
Refer from Criminal law.
Burial. *See also* Barrows; Burial service; Catacombs; Cemeteries; Coffins; Cremation; Embalming; Epitaphs; Funerals; Monuments; Mounds; Mummies; Tombs; Urns.
Refer from Archaeology; Burying grounds; Cemeteries; Death; Funerals; Hygiene, public; Interment; Manners and customs; Sculpture; Tombs.
Burial service.
Refer from Burial; Church music; Funerals; Liturgies; Rites and ceremonies.
Burning the dead. *See* Cremation.
Burns and scalds.
Refer from Accidents; Scalds.
Burying grounds. *See* Burial; Cemeteries.
Business. *See also* Advertising; Auctions; Bookkeeping; Commerce; Commercial law; Commercial travelers; Exchange; Finance; Manufactures; Merchants; Money; Political economy; Stock exchange; Success.
Refer from Arts, useful; Commerce; Merchants; Money; Success; Trade; Wealth.
Business education. *See also* Bookkeeping; Commercial correspondence.
Refer from Education.
Butter.
Refer from Agriculture; Cattle; Cow; Dairy; Food; Milk.
Butterflies. *See also* Caterpillars; Lepidoptera.
Refer from Insects; Lepidoptera.
Cabinet work. *See also* Decoration and ornament; Furniture; Turning.
Refer from Arts, useful; Carpentry; Decoration and ornament; Furniture; Wood-work.
Cables. *See also* Chains; Electric wires; Rope; Telegraph; Wire.
Refer from Bridges; Manufactures; Rope; Wire.
Cage birds.
Refer from Birds; Domestic animals.
Calculating machines.
Refer from Arithmetical instruments;

Bulgaria
Burcester
Burgundy
Burma
Byzantine Empire
Cabul
Cahors
Caithness
Calabria

Mathematical instruments; Mathematics.
Calculus (mathematics).
Refer from Analysis, mathematical; Fluxions; Mathematics.
Calendar. *See also* Chronology; Year.
Refer from Chronology; Time; Year.
Calendars [containing readings for every day.] *See also* Almanacs; Year books.
Refer from Year books.
Calico-printing.
Refer from Arts, useful; Dyeing; Printing; Textile fabrics.
Calisthenics. *See* Gymnastics.
Caloric. *See* Heat.
Calvinism. *See also* Antinomianism; Congregationalism; Orthodoxy; Predestination; Presbyterianism.
Refer from Orthodoxy; Predestination; Presbyterianism; Theology.
Cambistry. *See* Exchange; Weights and measures.
Cameos. *See also* Gems.
Refer from Carving (wood, etc.); Gems; Jewelry.
Camera. *See also* Photography.
Refer from Photography.
Camp meetings.
Refer from Revivals.
Camping. *See also* Tents.
Refer from Amusements; Country life; Outdoor life; Sports; Tents.
Camps (military).
Refer from Military art and science.
Canals. *See also* Aqueducts; Hydraulic engineering; Irrigation.
Refer from Commerce; Engineering; Hydraulic engineering; Inland navigation; Irrigation; Locomotion; Navigatiou; Transportation; Water supply.
Cancer.
Refer from Pathology; Tumors.
Candles.
Refer from Lighting; Manufactures.
Candlesticks.
Refer from Furniture; House decoration.
Candy. *See* Confectionery.
Cannibalism.
Refer from Animal food; Ethnology; Food; Man; Manners and customs.
Cannon. *See* Ordnance.
Canoeing.
Refer from Boating; Locomotion; Navigation; Sailing; Sports.

Calculus, differential
" infinitesimal
" integral

California
Calmuc Tartars

Cambodia
Cambridge, Univ of
Cambridge (Mass)
Canaanites
Canada – Bibliog.
Boundaries
Commerce & Trade
Constitution
Desc. & Geog
Eccles. Hist
Education
Fauna & Flora
Financial hist.
Geology & mineral.
History (Gen.)
" (Local)
" (Social)
Law
Maps
Numismatics

Canarese Philology
Canary islands
Candia, See Crete

Canon law. ~~See Church law.~~

Canonization. *See also* Saints.
Refer from Catholic church; Church history; Rites and ceremonies; Saints.

Cantatas.
Refer from Music; Oratorio.

Caoutchouc. *See* India rubber.

Capital. *See also* Interest; Labor; Money; Monopolies; Strikes; Trusts.
Refer from Commerce; Labor; Money; Monopolies; Political economy; Trusts; Wealth.

Capital punishment. *See also* Guillotine; Hanging.
Refer from Crime; Criminal law; Death penalty; Ethics; Hanging; Punishment.

Capuchins. *See also* Franciscans.
Refer from Franciscans; Monasticism.

Cardinals.
Refer from Biography; Catholic church; Christian biography; Church polity.

Cards. *See also* Bézique; Cribbage; Euchre; Fortune telling; Gambling; Patience; Whist.
Refer from Amusements; Gambling; Games; Playing cards.

Caricature. *See also* Satire; Wit and humor.
Refer from Arts, fine; Drawing; Satire; Wit and humor.

Carols. *See also* Ballads; Songs.
Refer from Christmas; Church music; Easter; Music; Songs.

Carpentry. *See also* Architecture; Cabinet work; Cars; Carving; Floors; Hand-railing; Stair-building; Tools; Turning; Wood-work.
Refer from Architecture; Arts, useful; Building; Joinery; Manual training; Stair-building; Tools; Wood-work.

Carpets. *See also* House decoration; Sweeping; Weaving.
Refer from Floors; House decoration; Textile fabrics; Weaving.

Carriage painting. *See also* Painting, mechanical.
Refer from Painting, mechanical.

Carriages. *See also* Ambulances; Chariots; Coaching; Wheels.
Refer from Coaches; Locomotion; Manufactures; Stage coaches; Transportation; Vehicles; Wagons; Wheels.

Cape Colony
Capillarity

Capitellidae
Caprellidae

Carcinus maenas

Carinthia
Carlisle
Carnac
Carniola

Carribean islands

Carriers. *See also* Commerce; Navigation; Railroads.
Refer from Commercial law; Common carriers; Law.
Cars.
Refer from Carpentry; Manufactures; Railroads; Vehicles.
Cartesian philosophy. *See* Descartes, R.
Carthusians.
Refer from Monasticism.
Cartography. *See* Maps.
Carving (meat, etc.). *See also* Cookery.
Refer from Cookery; Dining; Domestic economy; Table, the.
Carving (wood, etc.). *See also* Bas-relief; Cameos; Ivory; Sculpture; Turning; Wood carving.
Refer from Arts, fine; Arts, useful; Bas-relief; Carpentry; Decoration and ornament; Sculpture; Wood carving.
Cases of conscience. *See* Conscience.
Caste.
Refer from Manners and customs; Sociology.
Casting.
Refer from Arts, useful; Founding; Iron; Metals; Molding; Moulding; Steel.
Castles. *See also* Military architecture.
Refer from Archaeology; Architecture; Chateaux; Middle ages; Military architecture.
Casuistry. *See* Conscience.
Cat.
Refer from Domestic animals; Mammals.
Catacombs.
Refer from Archaeology; Burial; Caves; Cemeteries; Christian art and symbolism; Church antiquities; Church history; Tombs.
Cataloging. *See also* Classification; Indexing; Libraries.
Refer from Bibliography; Books; Classification; Indexing; Libraries; Library catalogs.
Catalogs. *See also* Bibliography; Library catalogs; *also* other subjects of which catalogs are made.
Cataracts. *See* Waterfalls.
Catarrh. *See also* Cold; Hay fever.
Refer from Breathing; Cold (disease); Nose; Pathology.
Catechisms. *See also* Creeds; Names of churches.
Refer from Creeds; Theology.

Carthage

Cashgar
Cashmere
Caspian Sea

Caterpillars.
Refer from Agricultural pests; Butterflies; Insects; Lepidoptera; Moths.

Cathedrals. *See also* Church architecture.
Refer from Abbeys; Architecture; Christian art and symbolism; Church architecture; Church history; Church of England; Gothic architecture.

Catholic church. *See also* Abbeys; Archbishops; Bishops; Canonization; Cardinals; Celibacy; Christianity; Church and state; Church history; Church law; Church music; Confession; Convents; Councils; Episcopacy; Excommunication; Fasts and feasts; Fathers of the church; Greek church; Immaculate conception; Indulgences; Infallibility; Inquisition; Jansenists; Jesuits; Lent; Liturgies; Mary, virgin; Mass; Miracles; Missals; Missions; Monasteries; Monasticism; Nunneries; Oxford movement; Penance; Persecution; Pilgrimage; Popes; Priests; Protestantism; Purgatory; Reformation; Religious liberty; Rosary; Saints; Sisterhoods; Transubstantiation; Ultramontanism; Vatican council.
Refer from Christianity; Church and state; Church history; Church law; Church of England; Emancipation; Episcopacy; Infallibility; Papacy; Popes; Priests; Protestantism; Reformation; Ritualism; Roman Catholic church; Romanism; Sects; Ultramontanism; Vatican.

Catholicism, Roman

Cattle. *See also* Barns; Butter; Cheese; Cow; Dairy; Domestic animals; Milk; Ox; Veterinary medicine.
Refer from Agriculture; Cow; Dairy; Domestic animals; Live stock; Ox; Stock breeding; Veterinary medicine.

Caucasus

Caucus. *See also* Election (in politics).
Refer from Election (in politics); Political science.

Cavalry. *See also* Horse; Military art and science.
Refer from Military art and science; Tactics.

Caves. *See also* Catacombs.
Refer from Archaeology; Grottoes; Physical geography.

Cawnpore

Celibacy.
Refer from Catholic church; Chastity; Church history; Church polity; Clergy;

~~Celebes~~
Celebes Islands

Ethics; Marriage; Monasticism; Priests; Theology; Woman.

Cell, voltaic. *See also* Electric batteries.
Refer from Electric batteries; Electricity; Voltaic cell.

Cells. *See also* Biology; Embryology; Histology; Protoplasm.
Refer from Biology; Botany; Embryology; Histology; Protoplasm; Zoology.

Cement. *See also* Concrete; Glue.
Refer from Building materials; Concrete; Limes; Masonry; Mortar.

Cemeteries. *See also* Burial; Catacombs; Epitaphs; Landscape gardening; Tombs.
Refer from Archaeology; Burial; Burying grounds; Churchyards; Graveyards; Landscape gardening; Tombs.

Censorship of the press. *See* Liberty of the press; Prohibited books.

Census. *See also* Statistics; *also* names of cities, countries, states, *etc.*
Refer from Population; Statistics; Vital statistics.

Ceramics. *See* Pottery.

Cereals. *See* Grain.

Ceremonies. *See* Etiquette; Manners and customs; Rites and ceremonies.

Certainty. *See also* Belief; Faith; Truth.
Refer from Belief; Evidence; Faith; Intellect; Logic; Philosophy; Theology; Truth.

Chained books.
Refer from Books.

Chains.
Refer from Cables; Manufactures.

Chairs.
Refer from Furniture.

Chance. *See also* Probabilities.
Refer from Philosophy.

Chancellors, lord.
Refer from Biography; Lawyers; Ministers (of state).

Chancery. *See also* Equity.
Refer from Courts; Equity; Law.

Chanting. *See also* Singing.
Refer from Church music; Music; Singing.

Chants. *See also* Anthems; Church music; Hymns.
Refer from Anthems; Church music; Music.

Chap-books. *See also* Ballads.
Refer from Ballads; Literature.

Celtic literature — Hist:
Celtic philol. ~~Hist.~~
Cells

Centipedes
Cephalopods

Ceylon

Chaetognatha

Chaldaea
Chaldee. See Aramaic
Chameleon
Chamois
Champlain, Lake

Chapels. *See also* Church architecture.
Refer from Church Architecture.

Character. *See also* Christian character; Conduct of life; Ethics; Phrenology; Physiognomy; Temperament.
Refer from Christian character; Conduct of life; Ethics; Psychology.

Charades. *See also* Amateur theatricals; Riddles.
Refer from Amateur theatricals; Amusements; Drama; Puzzles; Riddles.

Charcoal drawing.
Refer from Drawing.

Chariots.
Refer from Archaeology; Carriages; Military art and science; Vehicles.

Charitable societies.
Refer from Benevolent societies; Charities.

Charities. *See also* Almshouses; Asylums; Brotherhoods; Charitable societies; Hospitals; Poor; Sisterhoods.
Refer from Almshouses; Charity; Philanthropy; Political economy; Poor; Public institutions; Reform; Sociology.

Charity. *See also* Charities; Love.
Refer from Almsgiving; Begging; Benevolence; Ethics; Love; Philanthropy.

Charity schools. *See also* Ragged schools.
Refer from Education; Schools.

Charms. *See also* Amulets; Witchcraft.
Refer from Superstition; Talismans; Witchcraft.

Charts. *See* Maps.

Chase, the. *See* Hunting.

Chastity. *See also* Celibacy.
Refer from Ethics; Marriage; Virtue; Woman.

Chateaux. *See* Castles.

Chattels. *See* Property.

Checkers.
Refer from Draughts; Games.

Cheese. *See also* Dairy.
Refer from Agriculture; Cattle; Cow; Dairy; Milk.

Cheirosophy. *See* Palmistry.

Chemistry. *See also* Acids; Adulterations; Agricultural chemistry; Air; Alchemy; Alcohol; Alkalies; Aniline colors; Arts, useful; Assaying; Atoms; Blowpipe; Botanical chemistry; Color; Combustion; Cookery; Crystallography; Distillation; Dyeing; Electrochemistry; Evaporation; Explosives; Fermentation; Fire; Gas; Gases; Medical chem-

Chemical Technology.

Chemistry, agricultural
" analysis
" dictionaries
" general
" history
" organic
" physiological

istry; Metals; Mineralogy; Molecules; Paint; Perfumery; Pharmacy; Phosphates; Photography; Physics; Poisons; Receipts; Spectrum.
Refer from Alchemy; Analysis; Arts, useful; Atoms; Blowpipe; Experiments; Metals; Molecules; Natural history; Physics; Qualitative analysis; Quantitative analysis; Science.

Chess.
Refer from Games.

Chest. *See also* Breast; Consumption; Heart; Lungs; Pneumonia.
Refer from Breathing; Pathology.

Chicken pox.
Refer from Children, *Diseases;* Pathology; Skin.

Chickens. *See* Poultry.

Chief justices. *See also* Judges.
Refer from Biography; Judges; Lawyers.

Children. *See also* Adoption; Boys; Children's crusade; Children's literature; Consolation; Education; Family; Foundlings; Girls; Heredity; Kindergarten; Labor; Mothers; Orphans; Parents; Sunday schools; Twins.
Refer from Boys; Domestic education; Education; Ethics; Family; Girls; Home; Infants; Kindergarten; Labor; Mothers; Parents; Sociology; Woman; Young people.

Children, *Diseases.* *See also* Chicken pox; Cholera infantum; Croup; Scarlatina; Scarlet fever.
Refer from Hygiene; Medicine; Pathology.

Children's crusade.
Refer from Children; Crusades.

Children's literature.
Refer from Books; Children; Juvenile literature; Literature; Reading; Stories.

Chiming. *See* Bells.

Chimney sweeping.
Refer from Sweeping.

Chimneys. *See also* Heating; Ventilation.
Refer from Architecture; Fires; Heating; Ventilation.

China. *See* Pottery.

China painting. *See also* Pottery.
Refer from Decoration and ornament; Painting; Pottery.

Chiromancy. *See* Palmistry.

Chivalry. *See also* Crusades; Feudalism;

Childhood

Chile

Chimpanzee

China

Chinese Philology Lit.

Chios

Chippewa language. See Algonquin

Heraldry; Malta, knights of; Middle ages; Templars; Tournaments.
Refer from Crusades; Feudalism; Heraldry; Knight errantry; Knighthood; Middle ages; Orders of knighthood; Religious orders; Templars; Tournaments.

Chloroform. *See also* Anaesthetics.
Refer from Anaesthetics.

Cholera, Asiatic.
Refer from Contagion; Epidemics; Pathology.

Cholera infantum.
Refer from Children, *Diseases.*

Cholera morbus,
Refer from Pathology.

Christ. *See* Jesus Christ.

Christendom. *See* Christianity; Church history; History.

Christian. *See also* Church; Religions.
Refer from Ecclesiastical; Theology.

Christian antiquities. *See* Church antiquities.

Christian art and symbolism. *See also* Arts, fine; Catacombs; Cathedrals; Church architecture; Church furniture; Church vestments; Cross; Rites and ceremonies; Saints.
Refer from Archaeology; Architecture; Arts, fine; Christian symbolism; Church antiquities; Church architecture; Ecclesiastical art; Emblems; Iconography; Jesus Christ; Mary, virgin; Religious art; Sacred art; Saints; Symbolism.

Christian biography. *See also* Apostles; Apostolic fathers; Archbishops; Bishops; Cardinals; Fathers of the church; Hermits; Martyrs; Ministers; Missionaries; Monasticism; Nonconformists; Pilgrim fathers; Popes; Preachers; Puritans; Reformers; Saints.
Refer from Archbishops; Biography; Church biography; Church history; Church of England; Ecclesiastical biography; Martyrs; Ministers (of the gospel); Religion; Religious biography.

Christian character. *See also* Character; Christian life.
Refer from Character; Christian life.

Christian doctrine. *See* Theology.

Christian education. *See* Religious education.

Christian life. *See also* Christian character; Conduct of life; Conversion; Devotional

Choses in action

exercises; Faith; Monasticism; Prayer; Religious education; Revivals.

Refer from Christian character; Conduct of life; Conversion; Ethics; Life; Religion.

Christian science.

Refer from Faith cure; Mind cure; Therapeutics.

Christian symbolism. *See* Christian art.

Christian union.

Refer from Church polity; Church union; Sects; Theology.

Christianity. *See also* Bible; Catholic church; Church history; God; Miracles; Missions; Protestantism; Religion; Sects; Theology; *also* headings beginning with Christian *and* Church, *and* the references under all the above.

Refer from Apologetics; Bible; Catholic church; Christendom; Church history; Deism; Evidences of Christianity; Jesus Christ; Natural religion; Philosophy; Religion; Religions; Revelation; Sociology; Theism; Theology.

Christianity = apologetics
" = Ethics + Philos.
" - Evidences
" - ~~Origin (anti-christian)~~
" - Preparation in Hist.

Christmas. *See also* Carols; Church decoration.

Refer from Fasts and feasts; Holidays; Jesus Christ.

Christology

Chromatics. *See* Color.

Chromolithography. *See also* Color; Lithography.

Refer from Color; Lithography.

Chronology. *See also* Calendar; History; Time; Year; *also* names of countries and periods.

Refer from Almanacs; Annals; Astronomy; Calendar; Dates; History; Time; Year.

Church. *See* Church architecture; Church history; Church polity; *etc.*

Refer from Christian; Ecclesiastical; Theology.

Church and state. *See also* Catholic church; Church history; Church of England; Church polity; Disestablishment; Liberty of conscience.

Refer from Catholic church; Church history; Church of England; Church polity; Disestablishment; Political science; Religious liberty; State church.

Church antiquities. *See also* Baptism; Bells; Catacombs; Christian art and symbolism; Church architecture; Church furniture; Church vestments; Fasts and

feasts; Funerals; Lord's supper; Marriage; Relics; Rites and ceremonies; Shrines.

Refer from Archaeology; Christian antiquities; Church ceremonies; Church history; Church polity; Ecclesiastical antiquities; Rites and ceremonies.

Church architecture. *See also* Abbeys; Baptisteries; Basilicas; Cathedrals; Chapels; Christian art and symbolism; Crypts; Gothic architecture; Spires; Temples; Towers.

Refer from Architecture; Basilicas; Cathedrals; Chapels; Christian art and symbolism; Church; Church antiquities; Churches; Ecclesiastical architecture; Gothic architecture; Religious art.

Church benefices. *See* Church property.

Church biography. *See* Christian biography.

Church ceremonies. *See* Church antiquities; Fasts and feasts; Rites and ceremonies.

Church costume. *See* Church vestments.

Church councils. *See* Councils.

Church decoration. *See also* Floral decoration.

Refer from Christmas; Decoration and ornament; Floral decoration.

Church dedication.

Refer from Church polity; Churches; Consecration; Dedication of churches; Rites and ceremonies.

Church fathers. *See* Fathers of the church.

Church festivals. *See* Fasts and feasts.

Church furniture. *See also* Altars; Baptismal fonts; Pulpits; Shrines.

Refer from Christian art and symbolism; Church antiquities; Decoration and ornament; Ecclesiastical furniture; Furniture.

Church government. *See* Church polity.

Church history. *See also* Abbeys; Albigenses; Apostles; Apostolic fathers; Apostolic succession; Arianism; Bible; Canonization; Catacombs; Cathedrals; Catholic church; Celibacy; Christian biography; Christianity; Church and state; Church antiquities; Church law; Church polity; Confession; Convents; Councils; Covenanters; Creeds; Crusades; Dissenters; Eastern churches; Episcopacy; Fathers of the church; Greek church; Heresy; Huguenots; Inquisition; Jansenists; Jesuits; Jews;

Martyrs; Middle ages; Miracles; Missions; Monasticism; Nunneries; Persecution; Popes; Protestantism; Reformation; Religious liberty; Revivals; Sects; Sisterhoods; Theology [for history of doctrines]; Waldenses; Witchcraft; *also* the names of churches, councils, countries, orders, sects, *etc.*

Refer from Apostolic church; Bible; Catholic church; Christendom; Christianity; Church; Church and state; Church law; Church of England; Church polity; Councils; Ecclesiastical history; Greek church; History; History, modern; Reformation; Religion; Religious history; Sacred history; Theology.

Church law. *See also* Apostolic constitutions; Benefit of clergy; Catholic church; Church history; Church of England; Church polity; Councils; Divorce; Marriage; Tithes; *also* the names of churches.

Refer from Canon law; Catholic Church; Church of England; Church polity; Ecclesiastical law; Law.

Church membership. *See also* Baptism; Church polity; Close communion; Confirmation; Creeds; Lord's supper.

Refer from Church polity; Confirmation; Lord's supper.

Church music. *See also* Anthems; Burial service; Carols; Chanting; Chants; Hymns; Masses; Oratorio; Organ.

Refer from Anthems; Catholic church; Chants; Devotional exercises; Hymns; Music; Organ; Psalmody; Sacred music; Songs; Vocal music; Worship.

Church of England. *See also* Apostles' creed; Apostolic succession; Archbishops; Athanasian creed; Bishops; Cathedrals; Catholic church; Christian biography; Church and state; Church history; Church law; Church polity; Church property; Church rates; Clergy; Confession; Confirmation; Creeds; Disestablishment; Dissenters; Episcopacy; Fasts and feasts; Martyrs; Nicene creed; Nonconformists; Nonjurors; Oxford movement; Priests; Protestant episcopal church; Puritans; Ritualism; Sacraments; Sisterhoods; Tithes.

Refer from Articles, thirty-nine; Church and state; Church law; Disestablishment; Dissenters; England, church of;

Episcopacy; Episcopal church; Nonconformists; Protestant episcopal church in the U. S.; Puritans; Ritualism; Sects; Thirty-nine articles.

Church of Scotland. *See also* Covenanters; Presbyterianism; Reformation.
Refer from Covenanters; Presbyterianism.

Church polity. *See also* Absolution; Apostolic succession; Asceticism; Baptism; Benefit of clergy; Brotherhoods; Cardinals; Celibacy; Christian union; Church and state; Church antiquities; Church dedication; Church history; Church law; Church membership; Church property; Church rates; Clergy; Confession; Confirmation; Congregationalism; Councils; Deaconesses; Deacons; Disestablishment; Episcopacy; Excommunication; Fasts and Feasts; Free churches; Indulgences; Lord's supper; Methodism; Ministers; Monasticism; Ordination; Penance; Popes; Preaching; Presbyterianism; Priests; Religious liberty; Rites and ceremonies; Ritualism; Sacraments; Sisterhoods; Tithes; Worship.
Refer from Church; Church and state; Church government; Church history; Church law; Church membership; Church of England; Congregationalism; Ecclesiastical polity; Protestant episcopal church in the U. S.; Religion; Theology.

Church property.
Refer from Church benefices; Church of England; Church polity; Property.

Church rates. *See also* Tithes.
Refer from Church of England; Church polity; Dissenters; Tithes.

Church services. *See* Liturgies; *also* names of churches and sects.

Church union. *See* Christian union.

Church vestments. *See also* Costume.
Refer from Christian art and symbolism; Church antiquities; Church costume; Costume; Ecclesiastical costume; Regalia; Vestments.

Churches. *See* Church architecture; Church dedication; Free churches.

Churchyards. *See* Cemeteries.

Cipher.
Refer from Abbreviations; Cryptography; Secret writing; Sign language; Writing.

Cimbri
Cinchona
Circassia

Circle.
Refer from Curves; Geometry.
Circulation of the blood. *See* Blood.
Circumcision.
Refer from Jews.
Circumnavigation. *See* Voyages around the world.
Circumstantial evidence. *See* Evidence.
Circus.
Refer from Amusements; Hippodrome.
Cistercians.
Refer from Monasticism.
Cities. *See also* Boroughs; Local government; Markets; Municipal corporations; Towns.
Refer from Boroughs; Local government; Municipal corporations; Municipal government; Political science; Sociology; Towns.
Citizenship. *See also* Allegiance; Civil rights; Naturalization; Patriotism.
Refer from Aliens; Allegiance; Election (in politics); International law; Naturalization; Political science; Suffrage.
Civil engineering. *See* Engineering; Surveying.
Civil government. *See* Political science.
Civil law. *See also* Law, and the references under that subject.
Refer from Law; Roman law.
Civil liberty. *See* Liberty.
Civil rights.
Refer from Citizenship; Law; Political science.
Civil service. *See also* Examinations.
Refer from Competitive examinations; Examinations; Office, tenure of; Political science; Reform; Spoils system.
Civil war. *See* U. S., *History, Civil War; also* names of other countries in which civil wars have taken place.
Civilization. *See also* Archaeology; Culture; Education; Ethics; History; Man; Sociology.
Refer from Anthropology; Archaeology; Culture; Ethics; History; History, philosophy of; Man; Political science; Progress; Social science; Sociology.
Clairvoyance. *See also* Animal magnetism; Mind reading.
Refer from Animal magnetism; Divination; Fortune-telling; Mind reading; Second sight; Spiritualism.

Cirripedia

Civilization, History

Classical antiquities. *See also* Archaeology; Classical dictionaries; Greece; Mythology; Rome.
Refer from Archaeology.

Classical Philology criticism

Classical biography. *See also* Greece; Rome.
Refer from Biography.

Classical dictionaries. *See also* Greece; Rome.
Refer from Classical antiquities; Dictionaries; Mythology.

Classical education. *See also* Colleges.
Refer from Colleges and universities; Education; Language.

Classical geography. *See* Geography, ancient.

Classical literature. *See also* Greek literature; Latin literature.
Refer from Literature.

Classification. *See also* Cataloging; Libraries.
Refer from Bibliography; Books; Cataloging; Libraries; Natural history.

Cleaning. *See also* Bleaching; Dyeing; Soap; Street cleaning; Sweeping.
Refer from Bleaching; Dyeing; Scouring.

Cleanliness. *See also* Baths and bathing; Disinfection.
Refer from Domestic economy; Hygiene.

Clergy Reserves

Clergy. *See also* Benefit of clergy; Celibacy; Curates; Deacons; Ministers; Ordination; Preachers; Preaching; Priests.
Refer from Church of England; Church polity; Ministers (of the gospel); Pastors; Preachers; Priests; Rectors; Theology.

Cliff dwellings.
Refer from Archaeology; Architecture; Indians of North America; Pueblos.

Climate. *See also* Meteorology; Temperature; Weather.
Refer from Ethnology; Hygiene; Meteorology; Physical geography; Temperature; Weather.

Climbing plants.
Refer from Botany; Vines.

Clinical medicine. *See also* Diagnosis; Pathology.
Refer from Medicine; Pathology.

Clocks and watches. *See also* Pendulum; Time-keepers.
Refer from Horology; Manufactures; Time-keepers; Watches.

Close communion. *See also* Baptists; Lord's supper.

Refer from Baptism; Baptists; Church membership; Communion; Lord's supper.

Cloth. *See* Textile fabrics.

Clothing. *See also* Costume; Dressmaking; Textile fabrics.

Refer from Costume; Dress; Dry goods; Manufactures; Textile fabrics.

Clouds. *See also* Meteorology.

Refer from Meteorology.

Clubs. *See also* Book clubs; Societies.

Refer from Corporations; Societies; Sociology.

Coaches. *See* Carriages; Coaching.

Coaching. *See also* Driving.

Refer from Amusements; Carriages; Coaches; Driving; Horsemanship; Locomotion; Riding; Stage coaches; Vehicles.

Coal. *See also* Aniline colors; Coal gas; Mines and mining.

Refer from Fuel; Geology; Mineralogy; Mines and mining.

Coal gas *See also* Gas.

Refer from Coal; Gas.

Coal tar colors. *See* Aniline colors.

Coast pilots.

Refer from Navigation.

Coast survey. *See* U. S., *Coast survey.*

Coats of arms. *See* Heraldry.

Coeducation. *See* Woman, *Education.*

Coffee.

Refer from Agriculture; Beverages; Cookery; Stimulants and narcotics.

Coffins.

Refer from Archaeology; Burial.

Coins and medals. *See also* Money.

Refer from Archaeology; Arts, fine; Gold; History; Medals; Money; Numismatics; Silver.

Cold. *See also* Frost; Heat.

Refer from Heat; Meteorology; Temperature.

Cold (disease). *See also* Bronchitis; Catarrh.

Refer from Catarrh; Pathology.

Coleoptera. *See* Beetles.

Collectivism. *See* Socialism.

Colleges and universities. *See also* Agricultural colleges; Classical education; Education; Students; University extension.

Refer from Classical education; Education; Schools; Students; Universities.

Clyde, River

Cochin China

Cocoa

Cocos

Coelenterata

Coinage. See International Coinage

Colchester

College Songs.

Collembola

Collisions. *See also* Shipwrecks.
Refer from Accidents; Shipwrecks.
Colonies. *See also* names of colonies and names of countries having colonies.
Refer from Colonization; Immigration; Political science; Sociology.
Colonization. *See* Colonies; *also* African colonization.
Color. *See also* Aniline colors; Chromolithography; Dyeing; Light; Painting.
Refer from Chemistry; Chromatics; Chromolithography; Dyeing; Light; Paint; Painting; Painting, mechanical; Pigments.
Color-blindness.
Refer from Blind; Eye; Light; Sight.
Color of animals.
Refer from Evolution; Zoology.
Color of flowers. *See also* Fertilization of plants.
Refer from Botany; Evolution; Fertilization of plants; Flowers.
Color of man.
Refer from Complexion; Ethnology; Face; Man; Negroes; Physiology; Skin.
Color-sense.
Refer from Psychology; Senses; Vision.
Colored people. *See* Freedmen; Negroes; Slavery.
Columns.
Refer from Architecture.
Combat, trial by. *See* Wager of battle.
Combustion. *See also* Fire; Smoke.
Refer from Chemistry; Fire; Heat.
Comedy. *See* Drama.
Comets.
Refer from Astronomy.
Comic literature. *See* Satire; Wit and humor.
Commandments, ten.
Refer from Bible; Decalogue; Ethics; Ten commandments.
Commentaries. *See* Bible, or other subject commented on.
Commerce. *See also* Adulterations; Advertising; Auctions; Bankruptcy; Banks; Bookkeeping; Bookselling; Business; Canals; Capital; Commercial correspondence; Commercial law; Commercial travelers; Competition; Contracts; Cooperation; Corporations; Credit; Docks; Dry-goods; Embargo laws; Exchange; Exportation; Fairs; Finance; Grangers; Groceries; Harbors; Hard-

Cologne

Colorado
Colour
Columbia University
Columbian Exposition

Commerce, History of
" , ~~in History of~~ Theory of Com

ware; Inland navigation; Insurance; Interest; Loans; Manufactures; Markets; Merchants; Money; Monopolies, Navigation; Panics; Partnership; Pawn-broking; Political economy; Prices; Profit-sharing; Railroads; Signboards; Smuggling; Speculation; Stationery; Statistics; Steam navigation; Stocks; Tariff; Trade marks; Trade unions; Transportation; Trusts.

Refer from Arts, useful; Business; Carriers; Exportation; Finance; Imports; Manufactures; Merchandise; Merchants; Money; Navigation; Ocean; Political economy; Ships; Trade; Transportation.

Commercial correspondence.

Refer from Business education; Commerce; Correspondence; Letter-writing.

Commercial law. *See also* Admiralty; Agents; Arbitration; Assignments; Attachment; Bankruptcy; Carriers; Consuls; Contracts; Conveyancing; Corporations; Debt; Exchange; Insurance; Maritime law; Negotiable instruments; Partnership; Principal and agent; Sale; Trusts.

Refer from Admiralty; Business; Commerce; Consuls; Law; Mercantile law; Merchants; Negotiable instruments; Sale.

Commercial travelers.

Refer from Business; Commerce; Drummers; Merchants; Salesmen, traveling; Travelers.

Common carriers. *See* Carriers.

Common law. *See also* Law and references under that subject.

Refer from Law.

Common schools. *See* Public schools.

Commonplace books.

Refer from Literature.

Commons (public grounds).

Refer from Land; Parks.

Commons, house of. *See* England.

Commonwealth of England. *See* England, *History.*

Commune, Paris. *See* France; Paris.

Communion. *See* Close communion; Lord's supper.

Communism. *See also* Socialism.

Refer from Cooperation; Labor; Political economy; Political science; Profit-sharing; Property; Socialism; Sociology.

Commutators.
Refer from Electricity; Electromagnets.
Comparative anatomy, *etc.* Enter under subject compared, as Anatomy, Language, Theology, Zoology, *etc.*
Compass.
Refer from Magnetic needle; Magnetism; Mariner's compass; Navigation; Variation of the compass.
Compensation. *See* Damages; Wages.
Competition. *See also* Demand and supply; Monopolies.
Refer from Commerce; Demand and supply; Monopolies; Political economy.
Competitive examinations. *See* Civil service; Examinations.
Complexion. *See* Color of man.
Composers. *See* Musicians.
Composite photography.
Refer from Photography.
Composition. *See* Arts, fine; Letter-writing; Painting; Printing; Rhetoric.
Composition, musical. *See also* Counterpoint; Harmony; Music.
Refer from Music.
Compromise.
Refer from Ethics.
Compulsory education.
Refer from Education.
Concerts.
Refer from Amusements; Music.
Conchology. *See* Mollusks.
Concordance. *See* Bible; *also* names of authors of whom concordances are made.
Concrete. *See also* Cement.
Refer from Cement; Masonry; Pavements.
Condemned books. *See* Prohibited books.
Conduct of life. *See also* Boys; Character; Christian life; Conversation; Duty; Ethics; Etiquette; Girls; Habit; Self-culture; Success; Young people.
Refer from Character; Christian life; Duty; Ethics; Life; Self-culture; Success; Young men; Young women.
Confectionery.
Refer from Candy; Cookery; Manufactures.
Confession. *See also* Absolution; Creeds; Penance.
Refer from Absolution; Auricular confession; Catholic church; Church history; Church of England; Church polity; Penance; Repentance; Sin; Theology.

Conclaves

Confirmation. *See also* Church membership; Lord's supper.
Refer from Church membership; Church of England; Church polity; Protestant episcopal church in the U. S ; Rites and ceremonies; Sacraments; Theology.
Confiscation.
Refer from Law; Property.
Conflagrations. *See* Fires.
Confucianism.
Refer from Ancestor worship; Religions.
Congregationalism. *See also* Antinomianism; Baptists; Brownists; Church polity; Dissenters; Friends, society of; Orthodoxy; Presbyterianism; Puritans; Unitarianism; Universalism.
Refer from Brownists; Calvinism; Church polity; Dissenters; Independents; Orthodoxy; Puritans; Sects.
Congress. *See* U.S., *Congress; also* names of places at which congresses were held or names of bodies holding them.
Conic sections. *See also* Curves; Geometry; Mathematics.
Refer from Curves; Geometry; Mathematics.
Conjuring. *See also* Witchcraft.
Refer from Amusements; Juggling; Legerdemain; Magic; Necromancy; Prestidigitation; Sleight of hand.
Consanguinity. *See also* Marriage.
Refer from Ethnology; Marriage.
Conscience. *See also* Liberty of conscience.
Refer from Cases of conscience; Casuistry; Ethics; Religion; Theology.
Consciousness.
Refer from Philosophy; Psychology.
Conscription.
Refer from Drafting; Military art and science.
Consecration. *See* Church dedication.
Conservation of energy. *See* Force.
Conservatories. *See* Greenhouses.
Consolation.
Refer from Affliction; Children; Death; Devotional exercises; Ethics; Religion; Suffering.
Conspiracies.
Refer from Criminal law; History.
Constables. *See also* Arrest.
Refer from County officers; Law; Police.
Constitutions. *See* this subhead under names of countries, states, *etc.; also* names of societies, *etc.*

Congo

Conifers
Connecticut

Constantinople
Constantinople.
Constitutional Law + Constitution

Consuls. *See also* Commercial law; Diplomacy.
Refer from Commercial Law; Diplomacy; International law.
Consumption. *See also* Lungs.
Refer from Breathing; Chest; Lungs; Pathology; Tuberculosis.
Contagion. *See also* Bacteria; Black death; Cholera; Disinfection; Epidemics; Fever; Fumigation; Germ theory; Plague; Putrefaction; Quarantine; Scarlet fever; Small pox; Typhoid fever; Yellow fever.
Refer from Epidemics; Hygiene, public; Infection; Medicine; Pathology; Putrefaction.
Contemporaries.
Refer from Biography.
Contentment. *See also* Happiness.
Refer from Ethics; Happiness; Pleasure.
Contracts. *See also* Assignments; Bailments; Debt; Deeds; Insurance; Mortgages; Partnership; Principal and agent; Sale.
Refer from Agreements; Commerce; Commercial law; Law; Principal and agent.
Contusions. *See* Bruises.
Conundrums. *See* Riddles.
Conventions. *See* names of political parties, denominations, societies, *etc.*
Convents. *See also* Abbeys; Monasteries; Monasticism; Nunneries.
Refer from Abbeys; Catholic church; Church history; Monasteries; Monasticism; Nunneries; Sisterhoods; Woman.
Conversation. *See also* Table talk.
Refer from Conduct of life; Language; Rhetoric; Self-culture; Speech; Talking.
Conversion. *See also* Christian life; Missions; Regeneration; Repentance; Revivals.
Refer from Christian life; Missions; Regeneration; Repentance; Revivals; Salvation; Theology.
Conveyancing. *See also* Deeds; Forms (in law); Real property.
Refer from Commercial law; Deeds; Forms (in law); Law; Property; Real property; Sale; Titles.
Convicts. *See* Criminals.
Cookery. *See also* Baking; Bread; Carving; Coffee; Confectionery; Cooking schools; Desserts; Diet; Dining; Do-

mestic economy; Food; Kitchen; Preserving; Salads.
Refer from Arts, useful; Baking; Bread; Carving (meat, etc.); Chemistry; Desserts; Diet; Dining; Domestic economy; Eating; Eggs; Food; Gastronomy; Kitchen; Pastry; Preserving; Receipts; Salads; Table, the; Vegetables.

Cooking schools.
Refer from Cookery; Education.

Cooperation. *See also* Building associations; Communism; Profit-sharing; Socialism; Trade unions.
Refer from Association; Commerce; Labor; Political economy; Profit-sharing; Socialism; Sociology; Trade unions.

Cooperative building associations. *See* Building associations.

Copyright.
Refer from Authors; Books; Bookselling; Intellectual property; International copyright; Law; Literary property; Literature; Playright; Property; Publishing.

Corn, Indian. *See* Maize.

Corn laws.
Refer from Agriculture; Law; Political economy; Tariff.

Coronations. *See also* Crowns.
Refer from Crowns; Monarchy; Rites and ceremonies.

Coroners.
Refer from County officers; Death; Law.

Corporal punishment. *See also* Flogging.
Refer from Education; Flogging; Punishment; Rod, the; Whipping.

Corporations. *See also* Bankruptcy; Bonds; Clubs; Investments; Municipal corporations; Receivers; Stocks; Trusts.
Refer from Associations; Bonds; Commerce; Commercial law; Joint stock companies; Law; Partnership; Societies; Sociology; Stock companies; Stocks.

Corpulence.
Refer from Fat; Food; Obesity.

Correlation of forces. *See* Force.

Correspondence. *See* Commercial correspondence; Letter-writing; Letters.

Cosmetics. *See also* Perfumery; Toilet.
Refer from Beauty, personal; Costume; Toilet.

Cosmogony. *See* Universe.

Cosmography. *See* Universe.

Cosmology. *See* Universe.

Coral (white card)
~~Cora~~ (white card)
Corfu (white card)

Copepoda
Coptic Philology
Corn trade (white card)
Cornell University (white card)
Cornish Philology & literature
Cornwall (white card)
Coromandel (white card)

Corsairs (white card)
Corsica (white card)
Cos, Island of (white card)

Cossacks (white card)

Cost. *See also* Prices; Value.
Refer from Political economy; Value.

Costs.
Refer from Actions at law; Law.

Costume. *See also* Arms and armor; Bracelets; Church vestments; Clothing; Cosmetics; Dressmaking; Fan; Fashion; Gloves; Hats; Headgear; Hosiery; Jewelry; Masks; Millinery; Perfumery; Regalia; Shoes; Toilet; Umbrella.
Refer from Archaeology; Arts, fine; Beauty, personal; Church vestments; Clothing; Dress; Fashion; History; Manners and customs; Millinery; Regalia; Style; Toilet; Woman.

Cottages. *See also* Architecture, domestic.
Refer from Architecture, domestic; Rural architecture; Villas.

Cotton. *See also* Dyeing; Textile fabrics.
Refer from Agriculture; Fibres; Textile fabrics; Yarn.

Cough. *See* Bronchitis.

Councils. *See also* Church history; *also* names of places at which councils were held.
Refer from Catholic church; Church councils; Church history; Church law; Church polity; Fathers of the church; Synods.

Counterfeits. *See also* Bank notes; Imposture; Money; Paper money.
Refer from Bank notes; Imposture; Money.

Counterpoint.
Refer from Composition, musical; Harmony; Music.

Country life. *See also* Agriculture; Camping; Gardening; Hunting; Outdoor life; Pastoral poetry; Peasantry; Sports.
Refer from Outdoor life; Rural life.

County officers. *See also* Constables; Coroners; Sheriffs.
Refer from Law; Local government.

Coup d'état. *See* France, *History*.

Courage. *See also* Heroes.
Refer from Ethics.

Court fools. *See* Fools.

Courtesy. *See* Etiquette.

Courts. *See also* Chancery; Jurisdiction; Law; Moot courts.
Refer from Law.

Courts-martial. *See also* Military law.
Refer from Law; Military law.

Courtship. *See also* Love; Marriage.
Refer from Love; Marriage.
Covenanters. *See also* Church of Scotland.
Refer from Church history; Church of Scotland; Presbyterianism.
Cow. *See also* Butter; Cattle; Cheese; Dairy; Milk.
Refer from Agriculture; Cattle; Dairy; Domestic animals; Milk.
Cranes.
Refer from Machinery.
Craniology. *See* Skull.
Crayon drawing.
Refer from Drawing.
Creation. *See also* Bible; Earth; Evolution; Geology; God; Man; Religion and science; Universe.
Refer from Bible; Earth; Evolution; Geology; God; Man; Natural religion, Philosophy; Religion and science; Theology; Universe.
Credit. *See also* Banks; Money.
Refer from Banks; Bills of credit; Bills of exchange; Commerce; Debt; Finance; Money; Political economy; Speculation.
Creeds. *See also* Apostles' creed; Athanasian creed; Catechisms; Nicene creed; *also* names of sects.
Refer from Belief; Catechisms; Church history; Church membership; Church of England; Confession; Faith; Symbolics; Symbolism (in theology); Theology.
Cremation.
Refer from Burial; Burning the dead; Death; Hygiene, public.
Crests. *See* Heraldry.
Cribbage.
Refer from Cards.
Cricket.
Refer from Ball; Games; Sports.
Crime. *See also* Brigands; Capital punishment; Criminal law; Criminals; Police; Prisons; Punishment; Reformatories; Robbers; Tramps; Trials; Woman, *Law.*
Refer from Criminal law; Dangerous classes; Ethics; Felony; Immorality; Law; Police; Political science; Prisons; Punishment; Sin; Sociology; Vice.
Crimean war. *See also* Russia; Turkey, *etc.*
Refer from Eastern question; Russia; Turkey.
Criminal law. *See also* Adultery; Arrest;

Crayfish

Cree language. See Algonquin

Crete

Assassination; Assault; Bail; Burglary; Capital punishment; Conspiracies; Crime; Criminals; Evidence; Infanticide; Jury; Kidnapping; Law, and references under that subject; Murder; Mutiny; Pirates; Prisons; Prostitution; Punishment; Smuggling; Suicide; Treason; Trials; Woman, *Law*.

Refer from Crime; Law; Punishment.

Criminals.

Refer from Biography; Convicts; Crime; Criminal law; Law.

Criticism. *See also* Aesthetics; Arts, fine; Literature; Music; Rhetoric; *also* the names of arts and literatures.

Refer from Aesthetics; Literature; Rhetoric.

Croquet.

Refer from Games.

Cross. *See also* Crucifixion.

Refer from Christian art and science; Crucifixion; Jesus Christ; Legends; Theology.

Croup.

Refer from Breathing; Children, *Diseases;* Pathology.

Crowns. *See also* Coronations.

Refer from Coronations; Regalia.

Crucifixion. *See also* Cross; Jesus Christ.

Refer from Cross; Punishment.

Cruelty. *See also* Animals, treatment of.

Refer from Ethics.

Crusades. *See also* Children's crusade; Chivalry; Middle ages.

Refer from Chivalry; Church history; History; History, modern; Middle ages.

Crustacea.

Refer from Invertebrates; Marine zoology; Zoology.

Cryptogams. *See also* Algae; Ferns; Fungi; Lichens; Mosses.

Refer from Botany.

Cryptography. *See* Cipher.

Crypts. *See also* Tombs.

Refer from Church architecture; Tombs.

Crystallography. *See also* Mineralogy.

Refer from Chemistry; Mineralogy.

Culture. *See also* Civilization; Education; Self-culture.

Refer from Civilization; Education; Ethics.

Cuneiform ~~writing~~. See Assyria. Babyl. Philol.

Refer from Alphabet; Inscriptions; Writing.

C

Croatia

Crocodile

Crowds

Ctenophora

Cuba

Cumberland

Cupping. *See also* Blood-letting.
Refer from Blood-letting; Therapeutics.
Curates.
Refer from Clergy; Ministers (of the gospel); Priests.
Curling.
Refer from Games; Sports.
Currency. *See* Money.
Currents. *See* Electric currents; Ocean; Winds.
Curves. *See also* Circle; Conic sections.
Refer from Conic sections; Engineering; Geometry.
Customs. *See* Manners and customs; Tariff.
Cutaneous diseases. *See* Skin.
Cutlery. *See also* Knives.
Refer from Hardware; Knives; Manufactures; Metal-work.
Cycling.
Refer from Bicycling; Locomotion; Sports; Tricycling; Velocipedes; Wheeling.
Cyclones. *See* Storms.
Cyclopedias.
Refer from Dictionaries; Encyclopaedias.
Daguerreotype. *See also* Photography.
Refer from Photography.
Dairy. *See also* Butter; Cattle; Cheese; Cow; Domestic animals; Milk.
Refer from Agriculture; Cattle; Cheese; Cow; Domestic economy; Milk.
Damages.
Refer from Compensation; Injuries; Law; Property.
Dancing. *See also* Ballet; Balls.
Refer from Amusements; Balls (parties); Ethics; Etiquette.
Dangerous classes. *See* Crime; Poor.
Dark ages. *See* Middle ages.
Darwinism. *See* Evolution; Darwin, C.
Dates. *See* Chronology.
Day of judgment. *See* Judgment, day of.
Days. *See also* Birthdays; Fasts and feasts; Holidays; Night.
Refer from Time.
Deaconesses.
Refer from Church polity; Sisterhoods; Woman.
Deacons.
Refer from Church polity; Clergy.
Dead. *See* Death.
Deaf and dumb. *See also* Deafness; Sign language.

Cyprus
Cystoseira
Czech language
Dahome

Refer from Deafness: Dumb; Ear; Education; Senses; Sign language; Speech.

Deafness. *See also* Deaf and dumb; Ear.
Refer from Deaf and dumb; Ear; Hearing; Pathology; Senses.

Death. *See also* Autopsy; Biology; Burial; Consolation; Coroners; Cremation; Embalming; Funerals; Future life; Future punishment; Heaven; Hell; Murder; Purgatory; Resurrection; Suicide.
Refer from Biology; Dead; Ethics; Future life; Life; Theology.

Death penalty. *See* Capital punishment.

Debates. *See* names of legislative bodies, *etc., such as* U. S., *Congress.*

Debating. *See also* Elocution; Oratory; Parliamentary practice.
Refer from Elocution; Oratory.

Debt. *See also* Assignments; Bankruptcy; Credit.
Refer from Bankruptcy; Commercial law; Contracts; Law.

Debts. *See also* the division *Finance* under the names of countries; Repudiation.
Refer from Finance; Political economy; Repudiation; State debts.

Decalogue. *See* Commandments, ten.

Decimal system. *See also* Metric system; Weights and measures.
Refer from Arithmetic; Metric system; Money; Weights and measures.

Declamation. *See* Elocution; Readers.

Decoration and ornament. *See also* Alphabets; Arabesque; Architecture; Arts, fine; Bas-relief; Bric-a-brac; Bronzing; Cabinet work; Carving; China painting; Church decoration; Church furniture; Embroidery; Enamel; Fan; Fancy work; Floral decoration; Frescoes; Furniture; Gems; Glass painting; House decoration; Illumination; Jewelry; Metal work; Monograms; Mosaics; Painting; Pottery; Sculpture; Tapestry; Terracotta; Vases; Wall decoration; Wood carving.
Refer from Architecture; Arts, fine; Arts, useful; Bric-a-brac; Cabinet work; Design; Fancy work; House decoration; Ornament; Painting; Wood carving.

Decorative Art

Decoration day. *See* Memorial day.

Dedication of churches. *See* Church dedication.

Deeds. *See also* Conveyancing.
Refer from Contracts; Conveyancing; Land; Law; Real property.

Deep-sea deposits

Deformities. *See also* Monsters.
Refer from Orthopedics; Pathology; Physiology; Surgery.
Degeneration. *See also* Evolution.
Refer from Evolution; Physiology.
Deism. *See also* Atheism; Christianity; God.
Refer from Atheism; God; Natural religion; Philosophy; Religion; Skepticism; Theology.
Deluge, the. *See also* Bible.
Refer from Bible; Earth; Flood, the; Geology.
Delusions. *See also* Apparitions; Blunders; Illusions; Imposture; Superstition; Witchcraft.
Refer from Errors; Hallucinations; Humbug; Illusions; Insanity; Superstition.
Demand and supply. *See also* Competition; Exchange.
Refer from Competition; Exchange; Political economy; Supply and demand.
Democracy. *See also* Despotism; Federal government; Liberty; Monarchy; Political science; Referendum; Representation; Republics; Suffrage.
Refer from Despotism; Federal government; Free institutions; Liberty; Monarchy; People; Political science; Presidential government; Republics.
Demonology. *See also* Apparitions; Devil; Witchcraft.
Refer from Angels; Apparitions; Devil; Evil spirits; Ghosts; Spirits; Superstition; Witchcraft.
Denominations. *See* Sects.
Dentistry. *See* Teeth.
Depravity. *See also* Sin.
Refer from Sin; Theology; Total depravity.
Dervishes.
Refer from Mohammedanism; Religions.
Descent. *See* Genealogy; Heredity; Primogeniture.
Deserts.
Refer from Physical geography.
Design. *See* Arts, fine; Decoration; Drawing.
Despotism. *See also* Democracy; Liberty; Tyranny.
Refer from Democracy; Monarchy; Political science; Tyranny.
Desserts. *See also* Cookery.
Refer from Cookery.

Detectives. *See also* Police.
Refer from Police.
Development. *See* Embryology; Evolution.
Devices. *See also* Emblems; Heraldry; Mottoes.
Refer from Emblems; Heraldry; Mottoes.
Devil. *See also* Demonology.
Refer from Demonology; Satan; Superstition; Theology.
Devotion. *See* Devotional exercises; Prayer; Worship.
Devotional exercises. *See also* Church music; Consolation; Hymns; Liturgies; Lord's prayer; Lord's supper; Prayers; Responsive worship; Worship.
Refer from Christian life; Devotion; Meditations; Prayers; Religion; Worship.
Dew.
Refer from Meteorology; Night; Water.
Diagnosis.
Refer from Clinical medicine; Medicine; Pathology; Surgery; Symptoms.
Dialects. *See also* Americanisms; Slang.
Refer from Language.
Dialing. *See* Sun-dials.
Dialogues. *See also* Readers.
Refer from Drama; Literature; Readers.
Diamonds. *See also* Gems; Mineralogy; Precious stones.
Refer from Gems; Mineralogy; Precious stones.
Dictionaries. For dictionaries of any language or subject see that subject; *also* Classical dictionaries; Cyclopedias.
Diet. *See also* Beverages; Cookery; Digestion; Food; Hygiene; Starvation; Stimulants and narcotics; Vegetarianism.
Refer from Cookery; Digestion; Food; Hygiene; Invalids; Nurses and nursing; Therapeutics.
Digestion. *See also* Diet; Dyspepsia; Stomach.
Refer from Diet; Dyspepsia; Food; Indigestion; Pathology; Physiology; Stomach.
Dikes (engineering). *See* Earthwork; Embankments.
Dikes (geology).
Refer from Dykes; Geology.
Dining. *See also* Carving; Cookery; Drinking customs; Eating; Food; Toasts.
Refer from Cookery; Dinners; Domestic

economy; Drinking customs; Eating; Etiquette; Food; Gastronomy; Meals; Table, the.

Dinners. *See* Dining.

Diplomacy. *See also* Ambassadors; Consuls; International law; Treaties.

Refer from Ambassadors; Consuls; International law; Ministers (of state); Political science; Statesmanship; Treaties.

Diplomatics. *See* Inscriptions; Manuscripts; Writing.

Directories. *See* names of cities, countries, *etc.; also* of trades, professions, *etc.*

Directory, French. *See* France, *History.*

Disasters. *See* Accidents; Fires; Floods; Shipwrecks.

Discoverers. *See* Discoveries; Explorers.

Discoveries (in geography). *See also* Explorers; Geography; Voyages.

Refer from Adventure; Discoverers; Explorers; Geography; Heroes; Voyages and travels.

Discoveries (in science). *See* Arts, useful; Inventions; Patents; Science.

Disease. *See* Pathology.

Disestablishment. *See also* Church and state; Church of England.

Refer from Church and state; Church of England; Church polity; State church.

Disinfection. *See also* Antiseptics; Fumigation.

Refer from Antiseptics; Cleanliness; Contagion; Fumigation; Hygiene, public; Putrefaction.

Dislocation. *See also* Fracture.

Refer from Bones; Fracture; Joints; Surgery.

Dispensaries. *See also* Hospitals.

Refer from Hospitals.

Dissection. *See also* Anatomy; Autopsy; Vivisection.

Refer from Anatomy.

Dissenters. *See also* Brownists; Church of England; Church rates; Congregationalism; Friends, society of; Nonconformists; Nonjurors; Presbyterianism; Puritans.

Refer from Church history; Church of England; Congregationalism; Liberty of conscience; Nonconformists; Puritans; Sects.

Distillation. *See also* Alcohol; Brandy; Brewing; Liquors.

Refer from Alcohol; Arts, useful; Brandy;

Brewing; Chemistry; Evaporation; Liquors; Temperance.

Distribution of animals and plants. *See* Geographical distribution.

Divination. *See also* Clairvoyance; Dreams; Fortune-telling; Omens; Palmistry; Prophecies; Second sight.

Refer from Augury; Fortune-telling; Occult sciences; Omens; Prophecies; Superstition.

Diving. *See also* Pearls; Swimming.

Refer from Baths and bathing; Swimming.

Divinity. *See* Jesus Christ; Theology.

Divinity schools. *See* Theological schools.

Divorce. *See also* Marriage.

Refer from Church law; Ethics; Law; Marriage; Sociology; Woman, *Law.*

Docks. *See also* Harbors; Wharves.

Refer from Commerce; Dry docks; Engineering, Harbors; Hydraulic engineering; Wharves.

Doctors. *See* Physicians.

Doctrines. *See* Theology.

Documents. *See* under name of body issuing, as U. S., *Congress;* Massachusetts, *Labor bureau, etc.*

Dog. *See also* Hydrophobia; *also* names of varieties of dogs.

Refer from Domestic animals; Hunting; Hydrophobia; Mammals.

Dogmatic theology. *See* Theology.

Dolichum

Dolls.

Refer from Amusements; Toys.

Domes.

Refer from Architecture; Roofs; Vaulting.

Domestic animals. *See also* Barns; Cage birds; Cat; Cattle; Cow; Dog; Domestication; Hog; Horse; Ox; Pigeons; Poultry; Sheep; Stables; Veterinary medicine; Zoology.

Refer from Agriculture; Animals; Beasts; Breeding; Cattle; Dairy; Domestication; Horse; Live stock; Mammals; Quadrupeds; Stock breeding; Veterinary medicine; Zoology.

Domestic architecture. *See* Architecture, domestic.

Domestic economy. *See also* Arts, useful; Brewing; Carving; Cleanliness; Cookery; Dairy; Dining; Dressmaking; Family; Fancy work; Food; Fuel; Furniture; Gardening; Guests; Heating; Home; House decoration; Kitchen;

Laundry; Needlework; Receipts; Servants; Sweeping; Ventilation.

Refer from Agriculture; Arts, useful; Cookery; Domestic science; Family; Home; Household science; Housekeeping; Kitchen; Sweeping; Woman.

Domestic education. *See also* Children; Education; Family.

Refer from Education; Family; Home education; Parents.

Domestic relations. *See* Family; Marriage; Master and servant.

Domestic science. *See* Domestic economy.

Domestication. *See also* Animals, training of; Domestic animals.

Refer from Animals, training of; Domestic animals; Zoology.

Domestics. *See* Servants.

Dominicans.

Refer from Monasticism.

Dominoes.

Refer from Games.

Doors. *See also* Gates.

Refer from Architecture.

Doubt. *See* Belief; Faith; Skepticism.

Drafting. *See* Conscription; Drawing.

Drainage. *See also* Irrigation. For the drainage of towns and buildings, *see* Sewerage.

Refer from Agriculture; Engineering; Hydraulic engineering; Irrigation; Land drainage; Sewerage.

Drama. *See also* Acting; Actors; Actresses; Amateur theatricals; Charades; Dialogues; Dramatists; Masks; Miracle plays; Opera; Pantomime; Tableaux; Theatre.

Refer from Acting; Comedy; Literature; Miracle plays; Plays; Poetry; Rhetoric; Stage; Theatre; Tragedy.

Dramatists.

Refer from Authors; Biography; Drama; Poets.

Draughting. *See* Drawing.

Draughts. *See* Checkers.

Drawing. *See also* Anatomy for artists; Architectural drawing; Caricature; Charcoal drawing; Crayon drawing; Geometrical drawing; Graphics; Map drawing; Mechanical drawing; Perspective; Projection; Shadows; Topographical drawing.

Refer from Arts, fine; Design; Drafting; Draughting; Graphic arts; Manual

training; Painting; Perspective; Sculpture; Sketching.

Drawings.
Refer from Pictures.

Dreams. *See also* Apparitions; Fortune-telling; Nightmare; Sleep.
Refer from Brain; Divination; Fortune-tellers; Fortune-telling; Mind and body; Night; Nightmare; Psychology; Sleep; Somnambulism; Superstition; Visions.

Dredging. *See also* Marine zoology; Ocean.
Refer from Engineering; Marine zoology; Ocean.

Dresden

Dress. *See* Clothing; Costume; Dressmaking.

Dressmaking. *See also* Needlework.
Refer from Clothing; Costume; Domestic economy; Dress; Needlework.

Drill. *See* Military art and science; Tactics.

Drinking customs. *See also* Dining; Eating; Temperance; Toasts.
Refer from Dining; Drunkenness; Eating; Manners and customs; Temperance.

Drinks. *See* Beverages; Liquors.

Driving. *See also* Coaching; Horsemanship.
Refer from Coaching; Horse; Horsemanship; Riding; Sports.

Drowning. *See also* Accidents; Life saving.
Refer from Accidents; Life saving.

Drugs. *See also* Adulterations; Materia medica; Pharmacy.
Refer from Adulterations; Materia medica; Pharmacy; Therapeutics.

Drummers. *See* Commercial travelers.

Drunkenness. *See* Drinking customs; Temperance.

Dry docks. *See* Docks.

Dry-goods. *See also* Clothing; Hosiery; Textile fabrics.
Refer from Commerce; Textile fabrics.

Duelling. *See also* Wager of battle.
Refer from Ethics; Fencing; Manners and customs.

Duets.
Refer from Music.

Dumb. *See* Deaf and dumb.

Duties. *See* Tariff.

Duty. *See also* Conduct of life; Ethics.
Refer from Conduct of life; Ethics.

Dwarfs.
Refer from Man; Monsters; Pigmies; Pygmies.

Dwellings. *See* Architecture, domestic.

Dyeing. *See also* Aniline colors; Bleaching; Calico-printing; Cleaning; Color.
Refer from Aniline colors; Arts, useful; Bleaching; Chemistry; Cleaning; Color; Cotton; Pigments; Scouring; Textile fabrics; Wool.

Dykes. *See* Dikes (geology); Earthwork; Embankments.

Dynamics. *See* Force; Matter; Mechanics; Motion; Statics.

Dynamos. *See also* Electric motors.
Refer from Electric motors; Electricity; Motors.

Dyspepsia. *See also* Digestion.
Refer from Digestion; Pathology.

Ear. *See also* Deaf and dumb; Deafness; Hearing; Sound.
Refer from Anatomy; Deafness; Head; Hearing; Pathology; Senses; Sound.

Earth. *See also* Antarctic regions; Arctic regions; Astronomy; Creation; Deluge; Earthquakes; Geodesy; Geography; Geology; Latitude; Longitude; Meteorology; Mines and mining; North Pole; Physical geography; Tropics; Volcanoes.
Refer from Astronomy; Creation; Figure of the earth; Geodesy; Geography; Geology; Nature; Physical geography; Planets; Universe; World.

Earthquakes. *See also* Geology; Volcanoes.
Refer from Earth; Geology; Physical geography; Seismology; Volcanoes.

Earthwork. *See also* Embankments; Fortification; Foundations.
Refer from Dikes (engineering); Dykes; Embankments; Engineering; Excavations; Fortification; Foundations; Railroads.

Easements.
Refer from Land; Law; Real property.

Easter. *See also* Carols.
Refer from Fasts and feasts; Holy week; Jesus Christ; Lent.

Eastern churches. *See also* Greek church; Nestorians.
Refer from Church history.

Eastern question. *See also* Asia; Crimean war; Russia; Turkey; *and* other eastern countries.
Refer from History.

Eating (customs). *See also* Cookery; Dining; Drinking customs; Food.
Refer from Dining; Drinking customs;

Food; Gastronomy; Manners and customs; Meals; Table, the.

Ecclesiastical. *See* Christian; Church.

Ecclesiastical antiquities. *See* Church antiquities.

Ecclesiastical architecture. *See* Church architecture.

Ecclesiastical art. *See* Christian art.

Ecclesiastical biography. *See* Christian biography.

Ecclesiastical ceremonies. *See* Rites and ceremonies.

Ecclesiastical costume. *See* Church vestments.

Ecclesiastical fasts and feasts. *See* Fasts and feasts.

Ecclesiastical furniture. *See* Church furniture.

Ecclesiastical history. *See* Church history.

Ecclesiastical law. *See* Church law.

Ecclesiastical polity. *See* Church polity.

Eclipses. *See also* Astronomy; Moon; Sun.
Refer from Astronomy; Moon; Sun.

Economics. *See* Political economy.

Education. *See also* Agricultural education; Art education; Bible in the schools; Blind; Business education; Charity schools; Children; Classical education; Colleges and universities; Compulsory education; Cooking schools; Corporal punishment; Culture; Deaf and dumb; Domestic education; Ethics; Examinations; Grammar schools; Gymnastics; High schools; Kindergarten; Knowledge; Libraries; Lyceums; Manual training; Medical education; Memory; Military education; Musical education; Normal schools; Object teaching; Physical education; Psychology; Public schools; Ragged schools; Reading; Reformatories; Religious education; School houses; School hygiene; School music; Schools; Scientific education; Self-culture; Students; Sunday schools; Teachers; Technical education; Text books; Theological education; University extension; Woman; Young people; *also* names of studies.
Refer from Children; Civilization; Colleges and universities; Culture; Domestic education; Ethics; Girls; Knowledge; Learning; Mental discipline; Pedagogy; Psychology; Public schools; Schools; Self-culture; Sociol-

Education

ogy; Students; Teachers; Teaching; Training; Young people.

Eggs. *See also* Birds; Cookery; Embryology; Poultry.

Refer from Birds; Nests; Oology; Poultry.

Eight hour day. *See* Hours of labor.

Elasticity. *See also* Strength of materials.

Refer from Strength of materials.

Election (in politics). *See also* Ballot; Caucus; Citizenship; Minorities; Representation; Suffrage.

Refer from Ballot; Caucus; Political science; Suffrage; Voting.

Election (in theology). *See* Predestination.

Electric batteries. *See also* Cell, voltaic; Storage batteries.

Refer from Batteries; Cell, voltaic.

Electric bells.

Refer from Bells.

Electric currents. *See also* Electric measurement; Electric potential; Electric transformers.

Refer from Alternating currents; Currents; Electric potential; Electric transformers.

Electric engineering. *See also* Armatures; Electricity; Telegraph; *also* headings beginning with Electric.

Refer from Arts, useful; Engineering; Machinery.

Electric lamps. *See also* Electric light.

Refer from Arc lamps; Electric light; Incandescent lamps; Lamps.

Electric light. *See also* Electric lamps; Electric wires.

Refer from Electric lamps; Light; Lighting.

Electric measurement. *See also* Galvanometer.

Refer from Electric currents; Electric testing; Galvanometer; Testing; Units; Weights and measures.

Electric motors. *See also* Dynamos.

Refer from Dynamos; Motors.

Electric potential. *See also* Electric currents.

Refer from Electric currents; Potential.

Electric railroads. *See also* Storage batteries.

Refer from Railroads; Street railroads.

Electric telegraph. *See* Telegraph.

Electric transformers. *See also* Electric currents.

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Refer from Electric currents; Transformers.

Electric testing. *See* Electric measurement.

Electric waves.

Refer from Waves.

Electric wires.

Refer from Cables; Electric light; Telegraph; Wire.

Electrical. *See* Electric.

Electricians.

Refer from Biography; Scientists.

Electricity. *See also* Animal electricity; Armatures; Cell, voltaic; Commutators; Dynamos; Electrotherapeutics; Induction coils; Lightning; Magnetism; Phonograph; Telegraph; Telephone; *also* headings beginning with Electric, Electro.

Refer from Electric engineering; Galvanism; Lightning; Magnetism; Meteorology; Physics; Voltaic electricity.

Electrochemistry. *See also* Electrometal lurgy.

Refer from Chemistry.

Electromagnets. *See also* Armatures Commutators.

Refer from Magnetism.

Electrometallurgy.

Refer from Electrochemistry; Galvanoplasty; Metals.

Electroplating.

Refer from Plating; Silverplating.

Electrotherapeutics.

Refer from Electricity; Medical electricity; Therapeutics.

Electrotyping.

Refer from Printing.

Elegiac poetry.

Refer from Poetry.

Elocution. *See also* Debating; Eloquence, Expression; Gesture; Orations; Orators; Oratory; Preaching; Pronunciation; Readers; Rhetoric; Ventriloquism; Voice.

Refer from Debating; Declamation; Eloquence; Expression; Gesture; Language; Oratory; Reading; Rhetoric; Speaking; Speech; Voice.

Eloquence. *See also* Elocution; Oratory.

Refer from Elocution; Oratory; Rhetoric.

Elves. *See* Fairies.

Emancipation. *See* Catholic church; Slavery; Woman, *etc.*

Embalming. *See also* Mummies.

Refer from Burial; Death; Mummies.

Embankments. *See also* Earthwork.
Refer from Dikes (engineering); Dykes; Earthwork; Engineering; Hydraulic engineering; Rivers.
Embargo laws.
Refer from Commerce; International law.
Emblems. *See also* Christian art and symbolism; Devices; Symbolism.
Refer from Devices; Literature; Symbolism.
Embroidery. *See also* Needlework.
Refer from Arts, fine; Decoration and ornament; Fancy work; Needlework; Textile fabrics.
Embryology. *See also* Biology; Cells.
Refer from Biology; Cells; Development; Eggs; Evolution; Morphology; Physiology; Protoplasm; Zoology.
Emergencies. *See* Accidents.
Emigration. *See* Immigration.
Emotions. *See also* Ethics; Pain; Passions; Pleasure; Psychology.
Refer from Ethics; Feelings; Passions; Philosophy; Psychology.
Emperors.
Refer from Biography; Kings; Monarchy; Rulers; Sovereigns.
Enamel.
Refer from Arts, fine; Decoration and ornament.
Encyclopaedias. *See* Cyclopedias; *also* name of subject treated.
Endless punishment. *See* Future punishment.
Energy. *See* Force.
Engineering. *See also* Aerial navigation; Aqueducts; Arches; Architecture; Arts, useful; Blasting; Boring; Breakwaters; Bridges; Building materials; Canals; Curves; Docks; Drainage; Dredging; Earthwork; Electric engineering; Embankments; Engineers; Engines; Foundations; Geometrical drawing; Girders; Harbors; Hydraulic engineering; Irrigation; Machinery; Masonry; Mechanical drawing; Mechanics; Mensuration; Military engineering; Mines and mining; Railroads; Roads; Sanitary engineering; Statics; Steam engine; Strength of materials; Subways; Surveying; Tunnels; Walls; Water supply; Wells.
Refer from Arts, useful; Building; Civil engineering; Hydraulic engineering;

Endowments

Machinery; Mathematics; Mechanics; Military engineering; Mines and mining; Railroads; Surveying.

Engineers.
Refer from Biography; Engineering.

Engines. *See also* Air engine; Fire engines; Fuel; Gas engine; Locomotive engines; Pumps; Steam engine.
Refer from Engineering; Machinery; Motors.

England, church of. *See* Church of England.

Engravers. *See also* Artists.
Refer from Artists; Biography.

Engraving. *See also* Aesthetics; Arts, fine; Bank notes; Engravings; Etching; Gems; Lithography; Photo-engraving; Wood engraving.
Refer from Arts, fine; Arts, useful; Etching; Graphic arts; Illustration of books.

Engravings. *See also* Etchings.
Refer from Engraving; Pictures; Prints.

Enigmas. *See also* Riddles.
Refer from Amusements; Puzzles; Riddles.

Ensilage.
Refer from Agriculture; Silos.

Enteric fever. *See* Typhoid fever.

Entertainments. *See* Amusements.

Entomology. *See* Insects.

Environment. *See also* Evolution.
Refer from Evolution.

Ephemerides. *See* Nautical almanacs.

Epic poetry.
Refer from Poetry.

Epicureans.
Refer from Ethics; Philosophy.

Epidemics. *See also* Black death; Cholera; Contagion; Fever; Plague; Small pox; Yellow fever.
Refer from Contagion; Hygiene, public; Pathology; Plague.

Epigrams. *See also* Maxims; Proverbs; Quotations; Table talk; Toasts.
Refer from Aphorisms; Apothegms; Literature; Maxims; Poetry; Proverbs; Quotations; Sayings; Wit and humor.

Epigraphy. *See* Inscriptions; Writing.

Episcopacy. *See also* Apostolic succession; Archbishops; Bishops; Catholic church; Church of England; Methodism; Ordination; Protestant episcopal church.
Refer from Apostolic succession; Bishops; Catholic church; Church history;

Entropneusta
Entomostraca

Church of England; Church polity; Methodism; Protestant episcopal church in the U. S.

Episcopal church. *See* Church of England; Methodist episcopal church; Protestant episcopal church.

Epitaphs. *See also* Brasses.
Refer from Archaeology; Biography; Burial; Cemeteries; Inscriptions; Literature; Tombs; Tombstones.

Equations. *See also* Algebra.
Refer from Algebra; Mathematics.

Equilibrium. *See* Statics.

Equinoxes.
Refer from Astronomy.

Equity. *See also* Actions at law; Chancery.
Refer from Actions at law; Chancery; Law.

Erosion. *See also* Glaciers; Valleys.
Refer from Geology; Glaciers; Physical geography; Rivers; Valleys; Water.

Erratics. *See* Boulders.

Errors. *See* Blunders; Delusions; Probabilities.

Escapes. *See also* Adventure.
Refer from Adventure.

Eschatology. *See* Future life.

Essays.
Refer from Literature.

Essenes.
Refer from Jews; Religions.

Etching. *See also* Engraving; Etchings.
Refer from Arts, fine; Engraving.

Etchings.
Refer from Engravings; Etching; Pictures.

Eternal life. *See* Future life.

Eternity. *See also* Future life.
Refer from Future life; Philosophy; Time.

Ether. *See also* Anaesthetics.
Refer from Anaesthetics.

Ethics. *See also* Affliction; Amusements; Animals, treatment of; Capital punishment; Celibacy; Character; Charity; Chastity; Children; Christian life; Civilization; Commandments, ten; Compromise; Conduct of life; Conscience; Consolation; Contentment; Courage; Crime; Cruelty; Culture; Dancing; Death; Divorce; Duelling; Duty; Education; Emotions; Epicureans; Etiquette; Evil; Family; Fiction; Friendship; Gambling; Girls; Habit; Happi-

ness; Heredity; Home; Instinct; Interest; Law; Liberty; Liberty of conscience; Liberty of the will; Lotteries; Love; Lying; Manners and customs; Marriage; Oaths; Parents; Passions; Patience; Patriotism; Peace; Philosophy; Pleasure; Political science; Poor; Progress; Religion; Repentance; Self-culture; Sin; Slave trade; Slavery; Sociology; Solitude; Soul; Stoics; Success; Suicide; Sunday; Swearing; Temperance; Temptation; Theatre; Truth; Utilitarianism; Virtue; Vivisection; Will; Woman; Young men; Young people; Young women.

Refer from Character; Civilization; Conduct of life; Duty; Education; Emotions; Family; Immorality; Life; Man; Moral philosophy; Natural religion; Philosophy; Psychology; Religion; Right and wrong; Science; Sociology; Theology; Vice; Virtue; Will.

Ethnography. *See* Ethnology.

Ethnology. *See also* Archaeology; Aryans; Cannibalism; Climate; Color of man; Consanguinity; Evolution; Folklore; Gypsies; Indians; Lake dwellings; Language; Man; Mound builders; Mythology; Negroes.

Refer from Anthropology; Archaeology; Ethnography; Geography; History; Man; Races of man; Science.

Etiquette. *See also* Dancing; Dining; Letter-writing; Marriage.

Refer from Behavior; Ceremonies; Conduct of life; Courtesy; Ethics; Ladies; Manners; Manners and customs; Politeness; Self-culture; Society; Sociology; Usages; Woman.

Etymology. *See also* Names; *also* names of languages.

Refer from Grammar; Language.

Eucharist. *See* Lord's supper.

Euchre.

Refer from Cards.

Evangelists. *See* Apostles; Bible; Missionaries.

Evaporation. *See also* Distillation.

Refer from Chemistry; Meteorology; Vapor.

Evergreens. *See also* Forestry; Trees.

Refer from Forestry; Landscape gardening; Trees.

Evidence. *See also* Certainty; Logic.
Refer from Actions at law; Circumstantial evidence; Criminal law; Faith; Law; Logic; Philosophy; Proof; Testimony; Trials; Witnesses.
Evidences of Christianity. *See* Christianity.
Evidences of the Bible. *See* Bible.
Evil. *See also* Sin; Temptation.
Refer from Ethics; Religion; Temptation; Theology.
Evil spirits. *See* Demonology.
Evolution. *See also* Biology; Color of animals; Color of flowers; Creation; Degeneration; Embryology; Environment; Heredity; Man; Religion and science; Species.
Refer from Biology; Botany; Creation; Darwinism; Degeneration; Development; Environment; Ethnology; Geology; Heredity; Man; Materialism; Natural history; Natural selection; Origin of species; Philosophy; Religion and science; Science; Species; Variation of species; Zoology.
Ex libris. *See* Bookplates.
Examinations. *See also* Civil service.
Refer from Civil service; Competitive examinations; Education.
Excavations. *See* Archaeology; Earthwork.
Exchange. *See also* Demand and supply; Money; Stocks.
Refer from Banks; Bills of exchange; Business; Cambistry; Commerce; Commercial law; Demand and supply; Finance; Foreign exchange; Money; Negotiable instruments; Political economy.
Excommunication.
Refer from Catholic church; Church polity.
Executive power. *See also* Monarchy; Presidents.
Refer from Political science; Presidents.
Executors. *See* Administrators and executors.
Exercise. *See also* Gymnastics; Physical education; Training.
Refer from Hygiene; Physical education; Therapeutics.
Exhibitions. *See also* Agricultural exhibitions; Art galleries; Museums.
Refer from Arts, fine; Arts, useful; Expositions; Industrial exhibitions; International exhibitions; Museums; World's fairs.

Experiments. *See* Chemistry; Physics, *etc.*
Explorers. *See also* Discoveries; Geography; Travelers; Voyages.
Refer from Adventure; Biography; Discoverers; Discoveries (in geography); Geography; Heroes; Travelers; Voyages and travels.
Explosions. *See also* Boilers.
Refer from Accidents.
Explosives. *See also* Blasting; Gun cotton; Gunpowder; Torpedoes.
Refer from Blasting; Chemistry; Gunnery; Military art and science; Mines and mining.
Exportation. *See also* Commerce; Tariff; Transportation (of criminals).
Refer from Commerce; Tariff.
Expositions. *See* Exhibitions.
Expression. *See also* Anatomy for artists; Elocution; Physiognomy; Rhetoric.
Refer from Acting; Anatomy for artists; Elocution; Face.
Eye. *See also* Blind; Color-blindness; Light; Sight; Spectacles.
Refer from Anatomy; Face; Head; Light; Ophthalmia; Pathology; Senses; Sight; Vision.
Fables.
Refer from Animals, legends of; Fiction; Literature; Parables.
Face. *See also* Color of man; Expression; Eye; Mouth; Nose; Physiognomy.
Refer from Head.
Facetiæ. *See* Wit and humor.
Factories. *See also* Factory system; Mills.
Refer from Arts, useful; Manufactures; Mills.
Factors. *See* Agents.
Factory system.
Refer from Factories; Labor; Manufactures; Political economy.
Faience. *See* Pottery.
Fairies. *See also* Fairy tales.
Refer from Elves; Fairy tales; Goblins; Superstition.
Fairs.
Refer from Amusements; Commerce.
Fairy tales. *See also* Fairies; Folklore.
Refer from Fairies; Fiction; Folklore; Legends; Literature; Mythology; Stories.
Faith. *See also* Agnosticism; Belief; Certainty; Creeds; Evidence; Justification; Religion; Sects; Skepticism; Theology; Truth.

Refer from Belief; Certainty; Christian life; Doubt; Justification; Religion; Theology.

Faith-cure. *See also* Christian science; Mind and body.

Refer from Mind cure; Therapeutics.

Falconry.

Refer from Birds; Fowling; Hawking; Hunting; Sports.

Fall. *See* Autumn.

Fall of man. *See also* Sin.

Refer from Bible; Paradise; Sin; Temptation; Theology.

Fallacies. *See also* Logic.

Refer from Logic.

Falling stars. *See* Meteors.

Family. *See also* Children; Domestic economy; Domestic education; Ethics; Fathers; Home; Husbands; Marriage; Mothers; Parents; Widows; Wives; Woman.

Refer from Children; Domestic economy; Domestic education; Domestic relations; Ethics; Home; Husbands; Man; Parents; Sociology; Wives; Woman.

Family prayer. *See* Prayer; Prayers.

Famines. *See also* Starvation.

Refer from History; Starvation.

Fan.

Refer from Costume; Decoration and ornament.

Fanaticism. *See also* Persecution.

Refer from Religion; Theology.

Fancy work. *See also* Artificial flowers; Decoration and ornament; Embroidery; Knitting; Lace; Leather work; Needlework.

Refer from Decoration and ornament; Domestic economy; House decoration; Knitting; Needlework; Woman.

Farming. *See* Agriculture.

Farriery. *See* Horse.

Fashion. *See also* Costume.

Refer from Costume; Style.

Fasting. *See also* Asceticism; Lent; Starvation.

Refer from Abstinence; Asceticism; Theology.

Fasts and feasts. *See also* Advent; Ash-Wednesday; Christmas; Easter; Festivals; Good Friday; Holidays; Holy week; Lent; Sunday; Thanksgiving day.

Refer from Catholic church; Church an-

tiquities; Church ceremonies; Church festivals; Church of England; Church polity; Days; Ecclesiastical fasts and feasts; Festivals; Holidays; Protestant episcopal church in the U. S.; Religion; Religious festivals; Rites and ceremonies.

Fat. *See* Corpulence; Oil.

Fate. *See also* Fortune-telling.
Refer from Philosophy.

Fathers. *See also* Children; Parents.
Refer from Children; Family; Husbands; Parents.

Fathers of the church. *See also* Apocryphal gospels; Apostolic constitutions; Apostolic fathers; Councils; Saints.
Refer from Apostolic fathers; Biography; Catholic church; Christian biography; Church fathers; Church history; Saints; Theology.

Fauna. *See* Zoology.

Fauns.
Refer from Mythology.

Fayence. *See* Pottery.

Federal government. *See also* Democracy; Republics; Secession.
Refer from Democracy; Free institutions; Political science; Republics.

Feeble-minded. *See* Idiocy.

Feeling. *See* Touch.

Feelings. *See* Emotion.

Feet. *See* Foot.

Felony. *See* Crime.

Female. *See* Woman.

Fences. *See also* Gates.
Refer from Architecture.

Fencing. *See also* Duelling; Sword.
Refer from Amusements; Military art and science; Sports; Sword.

Fenians. *See also* Ireland, *History.*
Refer from Secret societies.

Fermentation. *See also* Bacteria.
Refer from Bacteria; Chemistry; Liquors.

Ferns.
Refer from Botany; Cryptogams; Filices.

Ferries.
Refer from Inland navigation; Transportation.

Fertilization of plants. *See also* Color of flowers.
Refer from Botany; Color of flowers; Flowers.

Fertilizers. *See also* Agricultural chemistry; Manures; Phosphates.

Refer from Agricultural chemistry; Agriculture; Manures.

Festivals. *See also* Fasts and feasts; Holidays; Pageants; Processions.

Refer from Amusements; Fasts and feasts; Religious festivals.

Fetishism. *See also* Idolatry.

Refer from Idolatry; Superstition; Worship.

Feudalism. *See also* Chivalry; Middle ages.

Refer from Chivalry; Knighthood; Land; Law; Middle ages; Political science; Sociology; Vassals.

Fever. *See also* Bilious fever; Hay fever; Malarial fever; Scarlet fever; Typhoid fever; Typhus fever; Yellow fever.

Refer from Contagion; Epidemics; Pathology.

Fibres. *See also* Cotton; Flax; Hemp; Silk; Textile fabrics; Wool.

Refer from Hemp; Linen; Textile fabrics.

Fiction. *See also* Allegories; Fables; Fairy tales; Historical fiction; Legends; Novelists; Romances.

Refer from Ethics; Literature; Novels; Romance; Romances; Stories.

Fictitious names. *See* Pseudonyms.

Fiddle. *See* Violin.

Field sports. *See* Hunting; Sports.

Fighting. *See* Boxing; Bull fights; Gladiators; Military art and science; Naval art and science; Tournaments.

Figure of the earth. *See* Earth; Geodesy.

Filibusters. *See* Buccaneers.

Filices. *See* Ferns.

Finance. *See also* Banks; Bimetallism; Bonds; Commerce; Credit; Debts; Exchange; Interest; Investments; Loans; Money; Panics; Prices; Repudiation; Stocks; Tariff; Taxation; Wealth.

Refer from Banks; Bimetallism; Bonds; Business; Commerce; Funds; History; Income. public; Loans; Money; Paper money; Political economy; Political science; Revenue; Taxation; Wealth.

Fine arts. *See* Arts, fine.

Finger rings. *See* Rings.

Finite. *See* Infinite.

Fire. *See also* Combustion; Fires; Fuel; Heat; Heating; Smoke.

Refer from Chemistry; Combustion; Heat.

Fire arms. *See also* Ammunition; Arms

and armor; Artillery; Gun; Gun cotton; Gunnery; Gunpowder; Ordnance; Pistol; Projectiles; Rifle; Shooting.

Refer from Ammunition; Arms and armor; Gun; Gunnery; Military art and science; Ordnance; Projectiles; Rifle; Weapons.

Fire-damp

Fire engines.

Refer from Engines; Fires; Steam engine.

Fire insurance. *See* Insurance.

Fire-works.

Refer from Pyrotechnics.

Fire-worshippers. *See also* Parsees.

Refer from Worship.

Fires. *See also* Chimneys; Fire engines; Insurance.

Refer from Conflagrations; Disasters; Fire; Life saving.

Fish. *See also* Aquarium; Fish culture; Fisheries; Fishing.

Refer from Fisheries; Ichthyology; Marine zoology; Vertebrates; Zoology.

Fish culture.

Refer from Fish; Pisciculture.

Fisheries. *See also* Fish; Fishing.

Refer from Arts, useful; Fish.

Fishing. *See also* Game laws.

Refer from Angling; Fish; Fisheries; Hunting; Outdoor life; Sports.

Flagellation. *See* Flogging.

Flags.

Refer from Banners; Heraldry; Military art and science; Signals; Standards.

Flats. *See* Apartment houses.

Flax. *See also* Linen.

Refer from Agriculture; Fibres; Linen; Textile fabrics; Yarn.

Flight. *See also* Aerial navigation; Animal locomotion; Birds; Wings.

Refer from Aerial navigation; Animal locomotion; Birds; Flying; Locomotion; Wings.

Flogging. *See also* Corporal punishment.

Refer from Corporal punishment; Flagellation; Punishmeut; Rod, the; Whipping.

Flood, the. *See* Deluge.

Floods.

Refer from Disasters; History; Inundations; Rivers.

Floors. *See also* Carpets; Mosaics; Pavements; Sweeping.

Refer from Architecture; Carpentry.

Flora. *See* Botany.

Floral decoration. *See also* Church decoration.
Refer from Church decoration; Decoration and ornament; Flowers.

Floriculture. *See also* Annuals; Bulbs; Flowers; Gardening; Greenhouses; Orchids; Window gardening.
Refer from Agriculture; Arts, useful; Botany; Flowers; Gardening; Horticulture; Plants; Window gardening.

Flour.
Refer from Bread; Food; Manufactures; Wheat.

Flowers. *See also* Artificial flowers; Botany; Buds; Color of flowers; Fertilization of plants; Floral decoration; Floriculture; Gardening; Odors; Orchids; Wax flowers; Window gardening.
Refer from Botany; Floriculture; Plants.

Fluids. *See also* Gases; Hydraulic engineering; Liquids; Mechanics.
Refer from Hydraulic engineering; Hydraulics; Hydrodynamics; Hydromechanics; Hydrostatics; Liquids; Mechanics; Physics.

Fluxions. *See* Calculus.

Flying. *See* Flight.

Flying machines. *See* Aerial navigation.

Fog.
Refer from Meteorology; Water.

Folklore. *See also* Ballads; Fairy tales; Legends; Manners and customs; Mythology; Sagas; Superstition.
Refer from Archaeology; Ethnology; Fairy tales; Legends; Literature; Man; Manners and customs; Mythology; People; Sagas; Superstition; Traditions.

Fonts. *See* Baptismal fonts.

Food. *See also* Adulterations; Alcohol; Animal food; Beverages; Bread; Butter; Cannibalism; Cookery; Corpulence; Diet; Digestion; Dining; Eating; Flour; Fruit; Grain; Groceries; Hygiene; Liquors; Markets; Meat; Milk; Mushrooms; Oyster; Stimulants and narcotics; Sugar; Temperance; Vegetables; Vegetarianism.
Refer from Adulterations; Analysis of food; Beverages; Cookery; Diet; Dining; Domestic economy; Eating; Gastronomy; Meals; Table, the.

Fools. *See also* Idiocy.
Refer from Court fools; Jesters; Wit and humor.

Foot. *See also* Hosiery; Shoes.
Refer from Anatomy; Feet.
Football.
Refer from Ball; Games.
Footprints, fossil.
Refer from Fossil footprints; Ichnology; Paleontology.
Force. *See also* Mechanics.
Refer from Conservation of energy; Correlation of forces; Dynamics; Energy; Kinematics; Kinetics; Mechanics; Motion; Philosophy; Physics; Power.
Foreign exchange. *See* Exchange.
Foreign missions. *See* Missions.
Forestry. *See also* Arbor day; Evergreens; Grafting; Landscape gardening; Lumbering; Pruning; Timber; Trees.
Refer from Agriculture; Arbor day; Arboriculture; Botany; Evergreens; Forests; Gardening; Landscape gardening; Lumbering; Planting; Timber; Trees; Wood; Woods.
Forests. *See* Forestry.
Forms (in law). *See also* Actions at law; Affidavits; Conveyancing; Pleading.
Refer from Actions at law; Conveyancing; Law; Pleading.
Fortification. *See also* Earthwork; Gunnery; Military architecture.
Refer from Architecture, military; Earthwork; Military architecture; Military art and science; Military engineering; Sieges.
Fortune-tellers. *See also* Dreams.
Refer from Book of fate.
Fortune-telling. *See also* Astrology; Clairvoyance; Divination; Dreams; Palmistry.
Refer from Amusements; Cards; Divination; Dreams; Fate; Prophecies; Superstition.
Fossil footprints. *See* Footprints, fossil.
Fossils. *See* Paleontology.
Foundations. *See also* Earthwork; Masonry; Walls.
Refer from Architecture; Earthwork; Engineering; Masonry; Walls.
Founding. *See* Casting.
Foundlings. *See also* Adoption.
Refer from Children; Orphans.
Fountains. *See also* Springs.
Refer from Archaeology; Architecture; Hydraulic engineering; Water supply.

Foraminifera

Fourth of July.
Refer from Holidays; Independence day.
Fowl. *See* Poultry.
Fowling. *See* Falconry.
Fracture. *See also* Dislocation.
Refer from Bones; Dislocation; Surgery.
Franciscans. *See also* Capuchins.
Refer from Capuchins; Monasticism.
Free agency. *See* Liberty of the will.
Free churches.
Refer from Church polity; Churches.
Free institutions. *See also* Democracy; Federal government; Liberty; Representation; Republics.
Refer from Liberty; Political science.
Free religion. *See also* Free thought; Liberty of conscience; Rationalism.
Refer from Free thought; Rationalism; Religion; Religious liberty; Theology; Unitarianism.
Free schools. *See* Public schools.
Free speech. *See* Liberty of speech.
Free thought. *See also* Agnosticism; Free religion; Rationalism; Religious liberty; Skepticism.
Refer from Free religion; Rationalism; Religious liberty; Skepticism.
Free trade. *See* Tariff.
Free-will. *See* Liberty of the will.
Freedmen. *See also* Negroes; Slavery.
Refer from Colored people; Negroes; Slavery.
Freedom. *See* Liberty; Slavery.
Freedom of the press. *See* Liberty of the press.
Freedom of the will. *See* Liberty of the will.
Freemasonry.
Refer from Knights templars; Masons; Secret societies; Templars.
Fresco painting. *See* Frescoes.
Frescoes. *See also* Wall decoration.
Refer from Arts, fine; Decoration and ornament; Fresco painting; House painting; Painting; Wall decoration.
Fret cutting. *See* Wood carving.
Friars. *See* Monasticism.
Friction.
Refer from Machinery; Mechanics; Physics.
Friendly societies. *See also* Building associations; Insurance; Odd fellows.
Refer from Benefit societies; Insurance; Labor; Mutual benefit societies; Poor; Societies; Sociology.

Friends, society of.
Refer from Congregationalism; Dissenters; Persecution; Puritans; Quakers; Sects.

Friendship. *See also* Love.
Refer from Ethics; Love.

Frost.
Refer from Cold; Geology; Meteorology; Water.

Fruit. *See also* Agriculture; Gardening; Grafting; Grape; Preserving; Pruning.
Refer from Agriculture; Arboriculture; Botany; Food; Gardening; Horticulture; Orchards; Pomology; Trees.

Fuel. *See also* Coal; Gas; Peat; Petroleum.
Refer from Boilers; Domestic economy; Engines; Fire; Heating; Manufactures.

Fumigation. *See also* Disinfection.
Refer from Contagion; Disinfection; Smoke.

Funds. *See* Finance.

Funerals. *See also* Burial; Burial service.
Refer from Burial; Church antiquities; Death; Manners and customs; Rites and ceremonies.

Fungi. *See also* Bacteria; Mould; Mushrooms.
Refer from Agricultural pests; Botany; Cryptogams; Mould; Mushrooms; Mycology; Parasites.

Furniture. *See also* Beds; Cabinet work; Candlesticks; Chairs; Church furniture; House decoration; Lamps; Mirrors; Upholstery; Wood carving.
Refer from Arts, fine; Arts, useful; Cabinet work; Decoration and ornament; Domestic economy; House decoration; Interior decoration; Manufactures; Upholstery; Wood carving.

Future life. *See also* Annihilation; Death; Eternity; Future punishment; Heaven; Hell; Judgment, day of; Millennium; Purgatory; Resurrection; Salvation; Soul; Spiritualism; Transmigration.
Refer from Annihilation; Death; Eschatology; Eternal life; Eternity; Future punishment; Hades; Heaven; Hell; Immortality; Intermediate state; Judgment, day of; Life; Man; Millennium; Natural religion; Philosophy; Probation; Psychology; Purgatory; Religion; Resurrection; Retribution; Salvation; Soul; Theology; Universalism.

Fuero de Avilés

Future punishment. *See also* Future life; Hell; Purgatory; Universalism.
Refer from Death; Endless punishment; Future life; Hell; Punishment; Purgatory; Retribution; Sin; Theology; Universalism.

Galleys.
Refer from Ships.

Galvanism. *See* Electricity.

Galvanometer. *See also* Electric measurement.
Refer from Electric measurement.

Galvanoplasty. *See* Electrometallurgy.

Gambling. *See also* Betting; Cards; Lotteries; Probabilities.
Refer from Betting; Cards; Ethics; Games; Gaming; Passions; Sports.

Game. *See also* Game laws; Hunting; Sports.
Refer from Birds; Hunting; Shooting; Zoology.

Game laws. *See also* Poaching.
Refer from Fishing; Game; Hunting; Law; Poaching.

Games. *See also* Amusements; Archery; Backgammon; Baseball; Billiards; Bowling; Cards; Checkers; Chess; Cricket; Croquet; Curling; Dominoes; Football; Gambling; Golf; Kindergarten; Patience; Solitaire; Sports; Tennis; Toys; Whist.
Refer from Amusements; Plays; Recreation; Sports.

Gaming. *See* Gambling.

Gardening. *See also* Agricultural pests; Agriculture; Botany; Floriculture; Forestry; Fruit; Gardens; Greenhouses; Landscape gardening; Shrubs; Vegetables; Weeds; Window gardening.
Refer from Agriculture; Arts, useful; Botany; Country life; Domestic economy; Floriculture; Flowers; Fruit; Horticulture; Landscape gardening; Market gardening; Planting; Plants; Shrubs; Vegetables; Vines.

Gardens. *See also* Botanical gardens.
Refer from Gardening.

Gas. *See also* Coal gas.
Refer from Chemistry; Coal gas; Fuel; Gases; Lighting; Manufactures.

Gas engine.
Refer from Engines.

Gases. *See also* Gas.
Refer from Chemistry; Fluids; Mechanics; Physics; Pneumatics; Vapor.
Gastronomy. *See* Cookery; Dining; Eating; Food.
Gates.
Refer from Architecture; Doors; Fences.
Gauging.
Refer from Mensuration; Weights and measures.
Gazetteers. *See* Geography, *Dictionaries.*
Gearing.
Refer from Machinery.
Gems. *See also* Cameos; Diamonds; Jewelry; Precious stones.
Refer from Archaeology; Arts, fine; Cameos; Decoration and ornament; Diamonds; Engraving; Jewelry; Mineralogy; Precious stones.
Genealogy. *See also* Biography; Heraldry.
Refer from Ancestry; Biography; Descent; Heraldry; Pedigrees.
Generals. *See also* Military biography.
Refer from Biography; Military biography.
Genius.
Refer from Intellect; Philosophy; Psychology.
Geodesy. *See also* Earth; Pendulum; Surveying.
Refer from Earth; Figure of the earth; Mathematics; Mensuration; Surveying; Trigonometry.
Geographical distribution of animals and plants.
Refer from Botany; Distribution of animals and plants; Zoology.
Geographical names. *See* Names (geographical).
Geographical societies. *See also* Alpine clubs.
Refer from Alpine clubs; Societies.
Geography. *See also* Arctic regions; Atlases; Boundaries; Discoveries; Earth; Ethnology; Explorers; Globes; Islands; Latitude; Longitude; Map drawing; Maps; Names (geographical); Physical geography; Surveying; Tropics; Voyages and travels.
Refer from Ancient geography; Atlases; Discoveries (in geography); Earth; Explorers; History; Physical geography; Science; Topography; Voyages and travels.

Gauls

Geography, *Dictionaries.*
Refer from Gazetteers.

Geology. *See also* Boulders; Coal; Creation; Deluge; Dikes; Earth; Earthquakes; Erosion; Evolution; Frost; Glaciers; Man; Metals; Mineralogy; Mines and mining; Moraines; Mountains; Paleontology; Peat; Petroleum; Physical geography; Rocks; Soils; Stone; Volcanoes.
Refer from Creation; Earth; Earthquakes; Mineralogy; Mountains; Natural history; Paleontology; Physical geography; Physiography; Rocks; Science.

Geometrical drawing. *See also* Graphics; Mechanical drawing; Perspective; Projection.
Refer from Drawing; Engineering; Geometry; Graphics; Mathematical drawing; Mechanical drawing; Projection.

Geometry. *See also* Axioms; Circle; Conic sections; Curves; Geometrical drawing; Mathematics; Mensuration; Perspective; Quaternions; Trigonometry.
Refer from Analytical geometry; Conic sections; Mathematics; Stereography; Trigonometry.

Germ theory. *See also* Bacteria.
Refer from Bacteria; Contagion; Medicine; Pathology.

Gesture. *See also* Elocution; Pantomime; Sign language.
Refer from Elocution; Oratory; Pantomime.

Geysers. *See also* Springs.
Refer from Physical geography; Springs.

Ghosts. *See also* Apparitions; Demonology.
Refer from Apparitions; Hallucinations; Illusions; Spectres; Spirits; Superstition.

Giants.
Refer from Man; Monsters.

Gilding.
Refer from Arts, useful; Goldsmithing; Painting, mechanical; Plating.

Gilds. *See also* Trade unions.
Refer from Associations; Guilds; Labor; Local government; Political economy; Societies; Sociology; Trade unions.

Gipsies. *See* Gypsies.

Girders. *See also* Bridges; Roofs; Trusses.
Refer from Architecture; Bridges; Engineering; Roofs; Strength of materials; Trusses.

Gephyrea

Germanic Philol.

Girls. *See also* Children; Education; Woman; Young women.
Refer from Children; Conduct of life; Ethics; Woman; Young people; Young women.

Glaciers. *See also* Boulders; Erosion; Ice; Moraines.
Refer from Boulders; Erosion; Geology; Ice; Moraines; Physical geography; Water.

Gladiators.
Refer from Amphitheatres; Fighting.

Glass.
Refer from Annealing; Archaeology; Arts, fine; Arts, useful; Manufactures; Windows.

Glass-blowing

Glass painting.
Refer from Arts, fine; Decoration and ornament; Painted glass; Painting; Stained glass; Windows.

Glees *See also* Songs.
Refer from Music; Songs.

Globes. *See also* Astronomy.
Refer from Astronomy; Geography; Maps.

Gloves.
Refer from Costume; Hand.

Glue.
Refer from Cement; Manufactures.

Goblins. *See* Fairies.

God. *See also* Atheism; Bible; Creation; Deism; Holy spirit; Idolatry; Jesus Christ; Monotheism; Mythology; Natural religion; Pantheism; Polytheism; Religion; Theism; Theology; Trinity.
Refer from Atheism; Bible; Christianity; Creation; Deism; Natural religion; Pantheism; Philosophy; Religion; Theism; Theodicy; Theology; Trinity.

Gold. *See also* Alchemy; Bimetallism; Coins and medals; Goldsmithing; Jewelry; Mines and mining; Money; Precious metals
Refer from Bimetallism; Metals; Mines and mining; Money; Precious metals; Specie.

Golden fleece. *See* Argonauts.

Goldsmithing. *See also* Gilding; Jewelry; Plate.
Refer from Arts, fine; Gold; Jewelry; Metal-work; Plate.

Golf.
Refer from Games; Sports.

Good Friday.
Refer from Fasts and feasts; Holy week; Lent.
Gorilla.
Refer from Apes; Mammals; Monkeys; Zoology.
Gothic architecture. *See also* Cathedrals; Church architecture.
Refer from Architecture; Church architecture.
Government. *See* Political science.
Governors.
Refer from Biography.
Grafting.
Refer from Forestry; Fruit; Trees.
Grain. *See also* Wheat.
Refer from Agriculture; Breadstuffs; Cereals; Food; Wheat.
Graining. *See also* Painting, mechanical.
Refer from Painting, mechanical.
Grammar. *See also* Etymology; Prosody. For the Grammar of any language *see* its name.
Refer from Accidence; Language; Words.
Grammar schools.
Refer from Education; Schools.
Grangers.
Refer from Agriculture; Commerce; Monopolies; Patrons of husbandry.
Grape. *See also* Wine.
Refer from Agriculture; Fruit; Vine; Vines; Wine.
Graphic arts. *See* Arts, fine; Drawing; Engraving; Painting.
Graphics. *See also* Geometrical drawing; Mechanical drawing.
Refer from Drawing; Geometrical drawing; Mechanical drawing.
Grass.
Refer from Agriculture; Botany.
Graveyards. *See* Cemeteries.
Gravitation. *See also* Astronomy; Physics; Specific gravity; Weights and measures.
Refer from Astronomy; Physics; Specific gravity; Weights and measures.
Greek church. *See also* Church history.
Refer from Catholic church; Church history; Eastern churches; Russian church.
Greenbacks. *See also* Paper money; U. S., *Finance.*
Refer from Money; Paper money.
Greenhouses.
Refer from Agriculture; Architecture;

Conservatories; Floriculture; Gardening; Hothouses.

Grippe, la. *See* Influenza.

Groceries.
Refer from Commerce; Food.

Grotesque.
Refer from Aesthetics.

Grottoes. *See* Caves.

Guaranties and sureties. *See also* Bailments; Bonds.
Refer from Law; Sureties.

Guardians. *See also* Administrators and executors; Adoption.
Refer from Adoption; Law; Wards, Wills.

Guests.
Refer from Domestic economy.

Guide-books. *See* names of countries and places.

Guilds. *See* Gilds.

Guillotine.
Refer from Capital punishment; Punishment.

Gun. *See also* Ammunition; Artillery; Bayonet; Fire arms; Gunnery; Ordnance; Rifle.
Refer from Arms and armor; Fire arms; Gunnery; Hunting; Rifle; Shooting.

Gun cotton.
Refer from Explosives; Fire arms.

Gunnery. *See also* Ammunition; Artillery; Explosives; Fire arms; Gun; Gunpowder; Ordnance; Projectiles; Shooting.
Refer from Arms and armor; Artillery; Fire arms; Fortification; Gun; Military art and science; Ordnance; Projectiles; Shooting.

Gunpowder.
Refer from Ammunition; Explosives; Fire arms; Gunnery; Ordnance; Powder.

Gutta-percha. *See also* India rubber.
Refer from India rubber; Manufactures.

Gymnastics. *See also* Physical education; Sports; *also* the references under these headings.
Refer from Athletics; Calisthenics; Education; Exercise; Hygiene; Manly exercise; Physical education; Recreation; Sports; Training.

Gynecology. *See* Woman, *Diseases.*

Gypsies.
Refer from Ethnology; Gipsies.

Habeas corpus. *See also* Martial law.
Refer from Law; Martial law.

Habit. *See also* Instinct; Lefthandedness.
Refer from Conduct of life; Ethics; Philosophy.
Hades. *See* Future life; Hell.
Hail.
Refer from Meteorology; Water.
Hair. *See also* Baldness.
Refer from Baldness; Head; Pathology.
Hallucinations. *See* Apparitions; Delusions; Ghosts; Illusions; Insanity.
Hand. *See also* Gloves; Lefthandedness; Palmistry.
Refer from Anatomy.
Handrailing.
Refer from Architecture; Carpentry; Stair-building.
Handwriting. *See* Autographs; Penmanship.
Hanging. *See also* Capital punishment.
Refer from Capital punishment; Punishment.
Happiness. *See also* Contentment; Pleasure.
Refer from Contentment; Ethics; Pleasure.
Harbors. *See also* Breakwaters; Docks; Wharves.
Refer from Commerce; Docks; Engineering; Hydraulic engineering; Navigation; Ports.
Hardware. *See also* Cutlery; Keys; Knives; Locks; Metal-work.
Refer from Architecture; Commerce; Iron; Manufactures; Metal-work; Metals.
Harmony. *See also* Counterpoint; Music.
Refer from Composition, musical; Music; Thorough bass.
Harness.
Refer from Horse; Leather; Manufactures; Saddlery.
Hats. *See also* Headgear.
Refer from Costume; Headgear; Manufactures.
Hawking. *See* Falconry.
Hay fever.
Refer from Autumnal catarrh; Catarrh; Fever; Pathology.
Head. *See also* Baldness; Brain; Ear; Eye; Face; Hair; Headache; Mouth; Nose; Phrenology; Physiognomy; Skull.
Refer from Anatomy; Pathology; Skull.
Headache.
Refer from Head; Nervous system; Pathology.

Harmonics

Headgear. *See also* Hats; Helmets; Millinery.
Refer from Costume; Hats; Millinery.
Health. *See* Hygiene.
Health resorts.
Refer from Hygiene; Invalids.
Hearing. *See also* Deafness; Ear.
Refer from Ear; Senses.
Heart. *See also* Blood.
Refer from Anatomy; Blood; Chest; Pathology.
Heat. *See also* Animal heat; Cold; Combustion; Fire; Heating; Radiation; Steam; Sun; Temperature; Thermometer.
Refer from Caloric; Cold; Fire; Heating; Meteorology; Physics; Radiation; Steam engine; Temperature; Thermodynamics.
Heating. *See also* Chimneys; Fuel; Heat; Steam heating; Stoves; Ventilation.
Refer from Architecture; Chimneys; Domestic economy; Fire; Heat; Sanitary engineering; Steam heating; Stoves; Ventilation; Warming; Water.
Heatstroke.
Refer from Pathology; Sunstroke.
Heaven. *See also* Angels; Future life.
Refer from Death; Future life; Retribution; Theology.
Heavens. *See* Astronomy.
Heliotypes. *See also* Photo-engraving, etc.
Refer from Photo-engraving, etc.; Photography; Pictures.
Hell. *See also* Future life; Future punishment.
Refer from Death; Future life; Future punishment; Hades; Retribution; Theology.
Helmets.
Refer from Arms and armor; Headgear.
Hemorrhage.
Refer from Blood; Pathology.
Hemp. *See also* Fibres; Rope.
Refer from Fibres; Linen; Rope; Yarn.
Hens. *See* Poultry.
Heraldry. *See also* Arms and armor; Chivalry; Devices; Flags; Genealogy; Peerage.
Refer from Archaeology; Arms, coats of; Biography; Chivalry; Coats of arms; Crests; Devices; Genealogy; History; Knighthood; Nobility; Pedigrees; Peerage.

Hedgehog

Hemiptera

Heredity. *See also* Biology; Evolution.
Refer from Ancestry; Biology; Children; Descent; Ethics; Evolution; Man; Medicine; Parents; Physiology; Psychology; Zoology.
Heresy. *See also* Inquisition; Liberty of conscience; Martyrs; Persecution.
Refer from Church history; Liberty of conscience; Theology.
Hermeneutics. *See* Bible.
Hermetic art. *See* Alchemy; Astrology.
Hermits. *See also* Asceticism.
Refer from Asceticism; Christian biography; Monks; Solitude.
Heroes. *See also* Adventure; Discoveries; Explorers; Martyrs; Missionaries; Mythology; Saints.
Refer from Adventure; Biography; Courage.
Herpetology. *See* Reptiles.
Hieroglyphics.
Refer from Alphabet; Inscriptions; Language; Writing.
High schools.
Refer from Education; Secondary schools.
Highwaymen. *See also* Brigands.
Refer from Brigands.
Highways. *See* Roads.
Hinduism. *See also* Brahmanism; Buddhism.
Refer from Brahmanism; Buddhism; Religions.
Hippodrome. *See* Circus.
Histology. *See also* Anatomy; Cells; Microscope.
Refer from Anatomy; Cells; Medicine; Morphology; Pathology; Tissues.
Historians.
Refer from Authors; Biography; History.
Historical atlases.
Refer from Atlases; History.
Historical dictionaries. *See* History, *Dictionaries.*
Historical fiction.
Refer from Fiction; History.
Historical societies. *See also* Antiquarian societies.
Refer from Societies.
History. *See also* Archaeology; Battles; Biography; Boundaries; Chronology; Church history; Civilization; Coins and medals; Conspiracies; Costume; Crusades; Eastern question; Ethnology;

Famines; Finance; Floods; Geography; Heraldry; Historians; Historical atlases; Historical fiction; History, ancient; History, modern; Massacres; Middle ages; Military history; Naval history; Political science; Revolutions; Riots; Sieges; Slavery; Sociology; Statistics; Treaties; *also* names of countries, places, and persons. For the history of a special subject see its name.

Refer from Annals; Archaeology; Biography; Christendom; Chronology; Civilization; Man; Science.

History, ancient. *See also* Archaeology.

Refer from Ancient history; History,

History, mediaeval. *See* Middle ages.

History, modern. *See also* Church history; Crusades; Middle ages; Reformation; Renaissance.

Refer from History; Modern history.

History, natural. *See* Natural history.

History, philosophy of. *See also* Civilization.

Refer from Philosophy; Philosophy of history.

Histrionics. *See* Acting; Theatre.

Hog.

Refer from Agriculture; Domestic animals; Live stock; Pig; Swine.

Holidays. *See also* Arbor day; Christmas; Fasts and feasts; Fourth of July; Memorial day; New year; Thanksgiving day; Vacations.

Refer from Days; Fasts and feasts; Festivals; Vacations.

Holothuroidea

Holy ghost. *See* Holy spirit.

Holy spirit. *See also* Trinity.

Refer from God; Holy ghost; Spirit; Theology; Trinity.

Holy week. *See also* Easter; Good Friday.

Refer from Fasts and feasts; Lent.

Home. *See also* Children; Domestic economy, Family; Woman.

Refer from Domestic economy; Ethics; Family; Woman.

Home decoration. *See* House decoration.

Home education. *See* Domestic education.

Home missions. *See* Missions.

Homeopathy. *See also* Allopathy; Medicine, and the references there.

Refer from Allopathy; Medicine; Pharmacy; Therapeutics.

Homicide. *See* Murder.

Homiletics. *See* Preaching; Sermons.

Honey. *See* Bees.

Horology. *See* Clocks and watches; Timekeepers.

Horse. *See also* Barns; Domestic animals; Driving; Harness; Horse-racing; Horse railroads; Horse-shoeing; Horsemanship; Stables; Veterinary medicine.
Refer from Agriculture; Cavalry; Domestic animals; Farriery; Live stock; Mammals; Pedigrees; Stables; Training; Trotting; Veterinary medicine.

Horse-racing.
Refer from Horse; Racing; Sports; Trotting.

Horse railroads.
Refer from Horse; Railroads; Street railroads.

Horse-shoeing. *See also* Blacksmithing.
Refer from Arts, useful; Blacksmithing; Horse.

Horsemanship. *See also* Coaching; Driving; Hunting.
Refer from Driving; Horse; Locomotion; Riding; Sports.

Horticulture. *See* Floriculture; Fruit; Gardening.

Hosiery.
Refer from Costume; Dry goods; Foot; Manufactures; Stockings; Textile fabrics.

Hospitallers. *See* Malta, knights of.

Hospitals. *See also* Asylums; Dispensaries; Insane hospitals; Nurses and nursing.
Refer from Architecture; Asylums; Charities; Dispensaries; Hygiene, public; Infirmaries; Medicine; Military art and science; Nurses and nursing.

Hotels. *See also* Apartment houses; Inns.
Refer from Architecture; Inns; Taverns.

Hothouses. *See* Greenhouses.

Hours of labor.
Refer from Eight hour day; Labor.

House decoration. *See also* Bric-a-brac; Candlesticks; Carpets; Decoration and ornament; Fancy work; Furniture; Paper hanging; Upholstery; Wall decoration.
Refer from Architecture, domestic; Arts, fine; Carpets; Decoration and ornament; Domestic economy; Furniture; Home decoration; Household decoration; Houses; Interior decoration; Upholstery.

House painting. *See also* Frescoes; Painting, mechanical.
Refer from Architecture; Architecture, domestic; Painting, mechanical; Wall decoration.
Household decoration. *See* House decoration.
Household science. *See* Domestic economy.
Housekeeping. *See* Domestic economy.
Houses. *See* Architecture, domestic; House decoration.
Huguenots. *See also* France, *Church history;* Waldenses.
Refer from Church history; Reformation; Sects; Waldenses.
Human body. *See* Anatomy; Physiology.
Human faculties. *See* Psychology.
Human figure. *See* Anatomy for artists.
Human race. *See* Man.
Humbug. *See* Delusions; Imposture.
Humor. *See* Wit and humor.
Hunting. *See also* Dog; Falconry; Fishing; Game; Game laws; Gun; Shooting; Sports; Trapping.
Refer from Animals; Chase, the; Country life; Field sports; Game; Horsemanship; Natural history; Outdoor life; Shooting; Sports; Trapping.
Hurricanes. *See* Storms.
Husband and wife. *See* Marriage.
Husbandry. *See* Agriculture.
Husbands. *See also* Family; Fathers; Marriage; Wives.
Refer from Family; Marriage; Wives.
Hussites.
Refer from Reformation; Sects.
Hydraulic engineering. *See also* Aqueducts; Artesian wells; Canals; Docks; Drainage; Embankments; Engineering; Fluids; Fountains; Harbors; Irrigation; Mines and mining; Pumps; Rivers; Turbine wheels; Water; Water supply; Waterwheels; Wells.
Refer from Canals; Engineering; Fluids; Hydraulics; Hydrodynamics; Hydromechanics; Hydrostatics; Liquids; Machinery; Mechanics; Physics; Rivers; Water; Water supply.
Hydraulics. *See* Fluids; Hydraulic engineering; Mechanics.
Hydrodynamics. *See* Fluids; Hydraulic engineering; Mechanics.
Hydrography. *See* Nautical surveying.

Hydromechanics. *See* Fluids; Hydraulic engineering; Mechanics.

Hydropathy. *See also* Baths and bathing.
Refer from Baths and bathing; Medicine; Therapeutics; Water-cure.

Hydrophobia. *See also* Dog.
Refer from Dog.

Hydrostatics. *See* Fluids; Hydraulic engineering; Mechanics.

Hydrozoa

Hygiene. *See also* Baths and bathing; Children; Cleanliness; Climate; Diet; Exercise; Gymnastics; Health resorts; Invalids; Longevity; Medicine; Military hygiene; Mind and body; Naval hygiene; Nurses and nursing; Pathology; Physical education; Physiology; Rest; Sleep; Stimulants and narcotics; Temperance; Therapeutics; Training; Vacations; Ventilation; Voice; Woman, *Diseases.*
Refer from Biology; Diet; Food; Health; Life; Man; Medicine; Pathology; Physiology; Sanitary science.

Hygiene, public. *See also* Adulterations; Burial; Contagion; Cremation; Disinfection; Epidemics; Hospitals; Inoculation; Quarantine; Sanitary engineering; School hygiene.
Refer from Medicine; Public health.

Hymenoptera

Hymns. *See also* Church music; Religious poetry.
Refer from Anthems; Chants; Church music; Devotional exercises; Literature; Liturgies; Lyric poetry; Music; Poetry; Psalmody; Religion; Religious poetry; Rites and ceremonies; Sacred poetry; Songs; Worship.

Hypnotism. *See also* Animal magnetism.
Refer from Animal magnetism; Mesmerism; Mind and body; Mind reading; Psychology; Sleep.

Hysteria.
Refer from Nervous system; Pathology; Woman, *Diseases.*

Ice. *See also* Alps; Arctic regions; Glaciers; Skating; Water.
Refer from Glaciers; Meteorology; Physical geography; Snow; Water.

Ichnology. *See* Footprints, fossil.

Ichthyology. *See* Fish.

Iconography. *See* Christian art; Idolatry; Saints.

Idealism. *See also* Realism.
Refer from Philosophy; Realism.

Idiocy. *See also* Insanity.
Refer from Brain; Feeble-minded; Fools; Insanity; Mental diseases; Mind and body; Pathology.
Idolatry. *See also* Fetishism.
Refer from Fetishism; God; Iconography; Image worship; Religion; Religions; Worship.
Illumination. *See* Lighting.
Illumination (of mss. and books). *See also* Alphabets.
Refer from Alphabets; Arts, fine; Books; Decoration and ornament; Illustration of books; Manuscripts; Ornamental alphabets; Painting.
Illusions. *See also* Apparitions; Delusions; Ghosts
Refer from Delusions; Hallucinations; Insanity; Mental diseases; Psychology; Visions.
Illustration of books. *See also* Arts, fine; Engraving; Illumination; Photo-engraving, etc.
Refer from Books.
Image worship. *See* Idolatry.
Imagination.
Refer from Intellect; Philosophy; Psychology.
Immaculate conception. *See also* Mary, virgin.
Refer from Catholic church; Incarnation; Jesus Christ; Mariolatry; Mary, virgin; Vatican council.
Immigration. *See also* Colonies; Naturalization.
Refer from Emigration; Political science; Sociology.
Immorality. *See* Crime; Ethics.
Immortality. *See* Future life.
Imperial federation. *See also* England, *Colonies.*
Refer from Political science.
Imports. *See* Commerce; Tariff.
Imposture *See also* Counterfeits; Quacks and quackery
Refer from Adventurers; Counterfeits; Delusions; Humbug; Quacks and quackery.
Imprisonment. *See* Arrest; Prisons.
Incandescent lamps. *See* Electric lamps.
Incarnation. *See also* Immaculate conception; Jesus Christ
Refer from Jesus Christ.
Income, public. *See* Finance.

Income tax. *See also* Taxation.
Refer from Taxation.
Incubation. *See* Poultry.
Incubus. *See* Nightmare.
Incunabula. *See* Printing.
Independence day. *See* Fourth of July.
Independent order of odd fellows. *See* Odd fellows.
Independents. *See* Congregationalism.
Indexes. [*See* subjects indexed, *as* Essays; Periodicals; *or* enter here a list of all indexes in the library.]
Refer from Bibliography.
Indexing. *See also* Cataloging.
Refer from Bibliography; Cataloging.
India rubber. *See also* Gutta-percha.
Refer from Caoutchouc; Gutta-percha; Manufactures; Rubber.
Indian corn. *See* Maize.
Indians of North America. *See also* Cliff dwellings; Mound builders; Pueblos.
Refer from American aborigines; Archaeology; Ethnology; Mound builders; Mythology; Religions; North American Indians.
Indians of South America.
Indigestion. *See* Digestion.
Induction coils.
Refer from Electricity.
Indulgences.
Refer from Catholic church; Church polity; Purgatory.
Industrial arts. *See* Arts, useful; Manufactures.
Industrial drawing. *See* Mechanical drawing.
Industrial education. *See* Manual training; Technical education.
Industrial exhibitions. *See* Exhibitions.
Inebriates. *See* Temperance.
Infallibility. *See also* Catholic church; Popes; Vatican council.
Refer from Catholic church; Popes; Theology; Vatican council.
Infanticide.
Refer from Criminal law; Medical jurisprudence; Murder; Woman; Woman, *Law*.
Infantry. *See also* Military art and science.
Refer from Military art and science; Tactics.
Infants. *See* Children.
Infection. *See* Contagion.
Infidelity. *See* Skepticism.

Individualism
Individuality

Infinite.
Refer from Finite; Philosophy.
Infirmaries. *See* Hospitals.
Inflammation.
Refer from Pathology.
Influenza.
Refer from Breathing; Grippe, la; Pathology.
Inheritance. *See also* Primogeniture; Wills.
Refer from Law; Property; Wills.
Injunctions.
Refer from Actions at law; Law.
Injuries. *See* Accidents; Damages.
Ink.
Refer from Printing; Stationery; Writing.
Inland navigation. *See also* Canals; Ferries; Rivers; Steamboats.
Refer from Commerce; Navigation; Transportation.
Inns. *See also* Hotels.
Refer from Hotels; Taverns.
Inoculation. *See also* Small pox; Vaccination.
Refer from Hygiene, public; Medicine; Small pox; Therapeutics; Vaccination.
Inquisition. *See also* Martyrs.
Refer from Catholic church; Church history; Heresy; Martyrs; Middle ages; Persecution; Torture.
Insane hospitals.
Refer from Asylums; Hospitals; Insanity.
Insanity. *See also* Brain; Delusions; Idiocy; Illusions; Insane hospitals; Medical jurisprudence; Mind and body; Nervous system.
Refer from Brain; Hallucinations; Idiocy; Intellect; Lunacy; Madness; Medical jurisprudence; Mental diseases; Mind and body; Nervous system; Pathology; Philosophy; Psychology.
Inscriptions. *See also* Alphabet; Cuneiform; Epitaphs; Hieroglyphics; Manuscripts; Writing.
Refer from Alphabet; Archaeology; Diplomatics; Epigraphy; Literature; Manuscripts; Monuments; Palaeography; Writing.
Insectivorous plants.
Refer from Botany.
Insects. *See also* Agricultural pests; Bees; Beetles; Butterflies; Caterpillars; Lepidoptera; Moths; Parasites.
Refer from Agricultural pests; Entomology; Invertebrates; Zoology.

Insolvency. *See* Bankruptcy.
Insomnia. *See also* Sleep.
Refer from Pathology; Sleep.
Instinct.
Refer from Ethics; Habit; Intelligence; Mind and body; Philosophy; Psychology; Reason; Soul; Zoology.
Instrumental music. *See also* Music; Musical instruments; Orchestral music.
Refer from Music; Musical instruments; Orchestral music.
Instrumentation.
Refer from Music; Musical instruments.
Instruments. *See also* Machinery; Scientific apparatus; Tools; *also* Arithmetical; Astronomical; Mathematical; Musical; Optical; Philosophical; Surgical, *etc.*, instruments.
Refer from Apparatus; Science; Scientific apparatus.
Insurance. *See also* Annuities; Friendly societies.
Refer from Accident insurance; Assurance; Commerce; Commercial law; Contracts; Fire insurance; Fires; Friendly societies; Investments; Law; Life insurance; Marine insurance; Maritime law; Probabilities; Property; Sociology.
Intellect. *See also* Belief; Brain; Certainty; Genius; Imagination; Insanity; Knowledge; Logic; Memory; Psychology; Reason; Senses.
Refer from Brain; Intelligence; Mind; Philosophy; Psychology; Understanding.
Intellectual property. *See* Copyright.
Intelligence. *See* Instinct; Intellect.
Intemperance. *See* Temperance.
Interest.
Refer from Arithmetic; Banks; Capital; Commerce; Ethics; Finance; Investments; Money; Negotiable instruments; Political economy; Tables; Usury.
Interior decoration. *See* Furniture; House decoration.
Intermediate state. *See* Future life; Purgatory.
Interment. *See* Burial.
Internal revenue. *See* Taxation; U. S., *Finance*.
International copyright. *See* Copyright.
International exhibitions. *See* Exhibitions.
International law. *See also* Aliens; Alle-

giance; Ambassadors; Arbitration; Blockade; Citizenship; Consuls; Diplomacy; Embargo laws; Maritime law; Monroe doctrine; Naturalization; Neutrality; Peace; Privateering; Prizes; Treaties.

Refer from Blockade; Diplomacy; Law; Law of nations; Maritime law; Ministers (of state); Nations, law of; Neutrality; Treaties; War.

Intestines.

Refer from Abdomen; Anatomy; Pathology; Viscera.

Intolerance. *See* Liberty of conscience; Religious liberty.

Intoxication. *See* Temperance.

Inundations. *See* Floods.

Invalids. *See also* Diet; Health resorts; Nurses and nursing.

Refer from Hygiene; Medicine; Sick, the.

Inventions. *See also* Patents.

Refer from Arts, useful; Discoveries (in science); Machinery; Patents; Science.

Invertebrates. *See also* Crustacea; Insects; Mollusks; Worms; Zoology.

Refer from Zoology.

Investments. *See also* Annuities; Banks; Bonds; Building associations; Insurance; Interest; Loans; Mortgages; Speculation; Stocks.

Refer from Bonds; Corporations; Finance; Loans; Money; Negotiable instruments; Political economy; Securities; Speculation; Stocks.

Iron. *See also* Casting; Hardware; Iron work; Mines and mining; Steel.

Refer from Annealing; Building materials; Metals; Mines and mining; Steel.

Iron clad vessels. *See* Armored vessels.

Iron work. *See also* Blacksmithing.

Refer from Arts, fine; Blacksmithing; Iron; Metal-work.

Irrigation. *See also* Canals; Drainage.

Refer from Agriculture; Canals; Drainage; Engineering; Hydraulic engineering; Water supply.

Islam. *See* Mohammedanism.

Islands.

Refer from Geography; Physical geography.

Ivory.

Refer from Carving (wood, etc); Sculpture.

Jails. *See* Prisons.

Italic Philology

Jacobins

Jansenists.
Refer from Catholic Church; Church history; Jesuits.
Japanning. *See also* Varnishing.
Refer from Varnishing.
Jesters. *See* Fools.
Jests. *See* Wit and humor.
Jesuits. *See also* Jansenists.
Refer from Catholic church; Church history; Jesus, society of; Monasticism; Religious orders; Society of Jesus.
Jesus, society of. *See* Jesuits.
Jesus Christ. *See also* Antichrist; Apostles; Arianism; Atonement; Bible; Christian art; Christianity; Christmas; Cross; Easter; Immaculate conception; Incarnation; Lord's supper; Mary, virgin; Millennium; Miracles; Parables; Salvation; Second advent; Socinianism; Transubstantiation; Trinity; Unitarianism.
Refer from Atonement; Bible; Christ; Crucifixion; Divinity; God; Incarnation; Jews; Lord's supper; Mary, virgin; Messiah; Millennium; Miracles; Parables; Prophecies; Religion; Resurrection; Second advent; Temptation; Theology; Trinity; Unitarianism.
Jewelry. *See also* Beads; Bracelets; Cameos; Gems; Goldsmithing; Pearls; Plate; Precious stones; Rings; Silversmithing.
Refer from Arts, fine; Costume; Decoration and ornament; Gems; Gold; Goldsmithing; Metal-work; Precious stones; Rings.
Jews. *See also* Bible; Circumcision; Essenes; Jesus Christ; Messiah; Passover; Patriarchs; Prophets; Talmud.
Refer from Bible; Church history; Judaism; Persecution; Religions; Ten tribes of Israel.
Joinery. *See* Carpentry.
Joint stock companies. *See* Corporations.
Joints. *See also* Dislocation.
Refer from Anatomy; Bones; Pathology.
Jokes. *See* Wit and humor.
Journalism. *See also* Authorship; Libe- and slander; Liberty of the press; Newspapers; Periodicals; Reporting.
Refer from Authorship; Liberty of the press; Literature; Newspapers; Periodicals; Press; Reporting.
Journeys. *See* Voyages and travels; *also* names of countries, *etc.*

Judaism. *See* Jews.
Judges. *See also* Chief justices.
Refer from Biography; Chief justices; Law; Lawyers; Magistrates.
Judgment, day of. *See also* Future life.
Refer from Day of judgment; Future life; Second advent; Theology.
Juggling. *See* Conjuring.
Jurisdiction.
Refer from Courts; Law.
Jurisprudence. *See* Law.
Jury *See also* Trials.
Refer from Criminal law; Law; Trial by jury; Trials.
Justices of the peace.
Refer from Biography; Law; Magistrates.
Justification. *See also* Faith.
Refer from Faith; Theology.
Juvenile literature. *See* Children's literature.
Kaleidoscope.
Refer from Light; Optical instruments.
Keramics. *See* Pottery.
Keys. *See also* Locks.
Refer from Hardware; Locks.
Kidnapping.
Refer from Criminal law.
Kidneys.
Refer from Abdomen; Viscera.
Kindergarten. *See also* Children; Object teaching.
Refer from Children; Education; Games; Object teaching; Schools.
Kindness to animals. *See* Animals, treatment of.
Kinematics. *See* Force; Mechanics; Motion.
Kinetics *See* Force; Mechanics; Motion.
Kings. *See also* Emperors. For works on the duties, rights, etc., of kings, *see* Monarchy.
Refer from Biography; Monarchy; Rulers; Sovereigns.
Kissing.
Refer from Manners and customs.
Kitchen. *See also* Cookery; Domestic economy.
Refer from Cookery; Domestic economy.
Knight errantry. *See* Chivalry.
Knighthood. *See* Chivalry; Feudalism; Heraldry.
Knights hospitallers. *See* Malta, knights of.
Knights of Malta. *See* Malta, knights of.
Knights of St. John. *See* Malta, knights of.

Knights templars. *See* Freemasonry; Templars.

Knitting. *See also* Fancy work.
Refer from Fancy work.

Knives. *See also* Cutlery.
Refer from Cutlery; Hardware.

Knots.
Refer from Navigation; Rope.

Know-nothings. *See* American party.

Knowledge. *See also* Education; Philosophy; Science.
Refer from Education; Intellect; Learning; Philosophy; Psychology.

Koran. *See also* Mohammedanism.
Refer from Alcoran; Mohammedanism.

Labor. *See also* Apprentices; Arbitration; Capital; Children; Communism; Co-operation; Factory system; Friendly societies; Gilds; Hours of labor; Machinery; Peasantry; Political economy; Poor; Profit-sharing; Servants; Slavery; Sociology; Strikes; Trade unions; Wages; Woman.
Refer from Capital; Children; Manufactures; People; Political economy; Poor; Profit-sharing; Sociology; Strikes; Trade unions; Wages; Wealth; Work; Working classes.

Lace. *See also* Needlework.
Refer from Arts, fine; Fancy work; Manufactures; Needlework; Weaving.

Laconics. *See* Maxims.

Lacquer.
Refer from Varnishing.

Ladies. *See* Etiquette; Woman.

Lake dwellings.
Refer from Archaeology; Architecture; Ethnology: Lakes.

Lakes. *See also* Lake dwellings; Ponds.
Refer from Physical geography; Ponds; Water.

Lampoons. *See* Satire.

Lamps. *See also* Electric lamps.
Refer from Furniture; Lighting; Oil.

Land. *See also* Agriculture; Commons; Deeds; Easements; Feudalism; Landlord and tenant; Parks; Real property; Rents; Surveying; Taxation; Titles.
Refer from Agriculture; Landlord and tenant; Law; Political economy; Property; Real property; Rent; Tenure of land.

Land drainage. *See* Drainage.

Kolgiew
Korea

Landlord and tenant. *See also* Land; Rent.
Refer from Land; Law; Real property, Rent; Tenant.
Landscape.
Refer from Aesthetics; Picturesque.
Landscape gardening. *See also* Cemeteries; Evergreens; Forestry; Gardening; Parks; Shrubs.
Refer from Agriculture; Arts, fine; Cemeteries; Forestry; Gardening; Parks; Planting; Rural architecture, Shrubs; Trees.
Landscape painting.
Refer from Painting.
Language. *See also* Accent; Alphabet; Classical education; Conversation; Dialects; Elocution; Etymology; Grammar; Hieroglyphics; Literature; Names; Phonetics; Pronunciation; Prosody; Punctuation; Rhetoric; Sign language; Slang; Speech; Spelling; Synonyms; Translation; Words; Writing.
Refer from Anthropology; Ethnology; Linguistics; Literature; Philology; Science; Speech; Words.

Lapp language

Lathe. *See* Turning.
Latitude.
Refer from Astronomy; Earth; Geography; Nautical astronomy; Navigation.
Latter day saints. *See* Mormonism.
Laughter. *See also* Wit and humor.
Refer from Wit and humor.
Laundry.
Refer from Domestic economy; Washing.

Lawson, Siegfried of

Law. *See also* Acknowledgments; Actions at law; Administrators and executors; Admiralty; Adoption; Affidavits; Aliens; Allegiance; Appeal; Arbitration; Arrest; Assault; Assignments; Asylum, right of; Attachment; Attorneys; Awards; Bail; Bailments; Bankruptcy; Benefit of clergy; Carriers; Chancery; Church law; Civil law; Civil rights; Commercial law; Common law; Confiscation; Constables; Contracts; Conveyancing; Copyright; Corn laws; Coroners; Corporations; Costs; County officers; Courts; Courts-martial; Crime; Criminal law; Criminals; Damages; Debt; Deeds; Divorce; Easements; Equity; Evidence; Feudalism; Forms; Game laws; Guaranties and sureties; Guardians; Habeas corpus; Inheritance;

Injunctions; Insurance; International law; Judges; Jurisdiction; Jury; Justices of the peace; Land; Landlord and tenant; Lawyers; Legacies; Legislation; Libel and slander; Liens; Limitations; Lynch law; Magistrates; Mandamus; Maritime law; Marriage; Martial law; Master and servant; Medical jurisprudence; Military law; Moot courts; Mortgages; Municipal corporations; Murder; Mutiny; Negligence; Negotiable instruments; Neutrality; Nuisance; Parliamentary practice; Partnership; Patents; Personal property; Pleading; Police; Poor laws; Possession; Powers; Primogeniture; Principal and agent; Property; Prostitution; Punishment; Real property; Receivers; Rent; Sale; Sheriffs; Titles; Torts; Trade marks; Treason; Trespass; Trials; Trustees; Wager of battle; Wills; Witnesses; Woman. *Law.*

Refer from Civil law; Common law; Courts; Criminal law; Ethics; Jurisprudence; Legislation; Maritime law; Municipal law; Pleading; Political science; Science; Sociology.

Law of nations. *See* International law.

Lawn tennis. *See* Tennis.

Lawyers. *See also* Chancellors, lord; Chief justices; Judges.

Refer from Bar; Biography; Law.

Lead. *See also* Plumbing.

Refer from Metals; Mines and mining.

Learning. *See* Education; Knowledge.

Leather. *See also* Harness; Shoes; Tanning.

Refer from Manufactures; Tanning

Leather work.

Refer from Arts, fine; Fancy work.

Leaves.

Refer from Botany.

Lecturing. *See also* Lyceums.

Refer from Lyceums; Oratory.

Lefthandedness.

Refer from Habit; Hand.

Legacies.

Refer from Law; Wills.

Legal tender. *See also* Money.

Refer from Money; Paper money.

Legends. *See also* Ballads; Cross; Fairy tales; Folklore; Mary, virgin; Mythology; Romances; Saints.

Refer from Ballads; Fiction; Folklore;

Literature; Mythology; Romances; Stories; Superstition; Traditions.

Legerdemain. *See* Conjuring.

Legislation. *See also* Law; Parliamentary practice; Political science.
Refer from Law.

Lent. *See also* Ash-Wednesday; Easter; Good Friday; Holy week.
Refer from Ash-Wednesday; Catholic church; Fasting; Fasts and feasts.

Lepidoptera. *See also* Butterflies; Caterpillars; Moths.
Refer from Butterflies; Insects; Moths.

Letter-writing. *See also* Commercial correspondence; Rhetoric.
Refer from Composition; Correspondence; Etiquette; Rhetoric; Writing.

Lettering. *See* Alphabets.

Letters.
Refer from Correspondence; Literature.

Letters (of the alphabet). *See* Alphabet.

Letters of marque. *See* Privateering.

Levelling. *See* Surveying.

Lexicons. *See* names of languages, subjects, *etc.*

Libel and slander. *See also* Liberty of speech; Liberty of the press.
Refer from Journalism; Law; Liberty of speech; Liberty of the press; Slander.

Liberty. *See also* Democracy; Free institutions; Religious liberty; Slavery.
Refer from Civil liberty; Democracy; Despotism; Ethics; Free institutions; Freedom; People; Personal liberty; Philosophy; Political science; Religious liberty.

Liberty of conscience. *See also* Dissenters; Heresy; Persecution; Private judgment; Religious liberty.
Refer from Church and state; Conscience; Ethics; Free religion; Heresy; Intolerance; Persecution; Private judgment; Religious liberty; Theology; Toleration.

Liberty of speech. *See also* Libel and slander; Liberty of the press.
Refer from Free speech; Libel and slander; Liberty of the press; Speech.

Liberty of the press. *See also* Journalism; Libel and slander; Liberty of speech; Prohibited books.
Refer from Censorship of the press; Freedom of the press; Journalism; Libel and slander; Liberty of speech;

Newspapers; Periodicals; Press; Prohibited books.

Liberty of the will. *See also* Necessity; Predestination; Will.

Refer from Ethics; Free agency; Free will; Freedom of the will; Necessity; Predestination; Psychology; Theology; Will.

Librarians.

Refer from Biography.

Libraries. *See also* Bibliography; Book clubs; Bookbinding; Books; Cataloging; Classification; Reading.

Refer from Architecture; Bibliography; Books; Cataloging; Classification; Education; Library economy; Literature; Public libraries; Reading.

Library catalogs. *See also* Bibliography; Cataloging.

Refer from Bibliography; Books; Catalogs.

Library economy. *See* Libraries.

Lichens.

Refer from Botany; Cryptogams; Mosses.

Liens.

Refer from Law; Property.

Life. *See* Biology; Christian life; Conduct of life; Death; Ethics; Future life; Hygiene; Longevity; Man; Philosophy.

Life boats.

Refer from Boating; Life saving; Navigation; Shipwrecks.

Life insurance. *See* Insurance.

Life saving. *See also* Accidents; Beacons; Drowning; Fires; Life boats; Lighthouses; Lightning conductors; Shipwrecks.

Refer from Accidents; Drowning; Shipwrecks.

Light. *See also* Blind; Color; Color-blindness; Electric light; Eye; Kaleidoscope; Lighting; Magic lantern; Microscope; Optical instruments; Perspective; Phosphorescence; Photography; Polariscope; Radiation; Rainbow; Sight; Spectacles; Spectrum; Stereoscope; Sun; Telescope; Zodiacal light.

Refer from Color; Eye; Optics; Physics; Radiation; Senses.

Lighthouses.

Refer from Beacons; Life saving; Navigation.

Lighting. *See also* Candles; Electric light; Gas; Lamps; Oil.

Refer from Illumination; Light.

Lightning. *See also* Electricity; Lightning conductors; Thunderstorms.
Refer from Electricity; Meteorology; Thunderstorms.
Lightning conductors.
Refer from Life saving; Lightning.
Limes. *See* Cement.
Limitations (in law).
Refer from Law.
Linen. *See also* Fibres; Flax; Hemp; Textile fabrics.
Refer from Flax; Textile fabrics.
Linguistics. *See* Language.
Liquids. *See also* Fluids; Hydraulic engineering.
Refer from Fluids; Mechanics; Physics.
Liquors. *See also* Alcohol; Ale; Beer; Brandy; Brewing; Distillation; Fermentation; Temperance; Wine.
Refer from Alcohol; Beverages; Distillation; Drinks; Food; Manufactures; Spirituous liquors; Stimulants and narcotics; Temperance; Wine.
Litanies. *See also* Liturgies.
Refer from Liturgies; Prayers; Worship.
Literary history. *See* Bibliography; Literature.
Literary men. *See* Authors; Students.
Literary property. *See* Copyright.
Literary societies. [Here state method of entry of societies.]
Literature. *See also* Anagrams; Anecdotes; Authors; Authorship; Ballads; Bestiaries; Bibliography; Books; Bookselling; Chap-books; Children's literature; Classical literature; Commonplace books; Copyright; Criticism; Dialogues; Drama; Emblems; Epigrams; Epitaphs; Essays; Fables; Fairy tales; Fiction. Folklore; Hymns; Inscriptions; Journalism; Language; Legends; Letters; Libraries; Manuscripts; Maxims; Mottoes; Newspapers; Orations; Parodies; Periodicals; Poetry; Printing; Prose; Proverbs; Quotations; Readers; Reading; Renaissance; Rhetoric; Riddles; Romances; Romanticism; Sagas; Satire; Sermons; Tracts; Wit and humor. [*See also* the report of the Committee on an index to subject headings at the Chicago conference, L.j. 18: C79.]
Refer from Authors; Belles-lettres; Bibliography; Books; Criticism; Language; Literary history; Poetry; Prose; Reading.

Limoges

Lithography. *See also* Chromolithography.
Refer from Arts, fine; Chromolithography; Engraving.

Lithology. *See* Rocks.

Liturgies. *See also* Burial service; Hymns; Litanies; Missals; Prayers; Responsive worship; Rites and ceremonies; Ritualism; *also* names of churches.
Refer from Catholic church; Church services; Devotional exercises; Litanies; Prayers; Religious services; Responsive worship; Rites and ceremonies; Service books; Worship.

Live stock. *See* Cattle; Domestic animals; Hog; Horse; Poultry; Sheep.

Liver. *See also* Bilious fever.
Refer from Abdomen; Anatomy; Bilious fever; Pathology; Viscera.

Lives. *See* Biography; *also* names of individuals and classes of persons.

Loan associations. *See* Building associations.

Loans. *See also* Finance; Investments; Repudiation.
Refer from Commerce; Finance; Investments.

Local government. *See also* Boroughs; Cities; County officers; Gilds; Municipal corporations; Towns; Village communities; Villages.
Refer from Cities; Municipal corporations; Municipal government; Political science; Town meetings; Towns; Village communities.

Lockjaw.
Refer from Mouth; Pathology; Tetanus.

Locks. *See also* Keys.
Refer from Hardware; Keys.

Locomotion. *See also* Aerial navigation; Animal locomotion; Canals; Canoeing; Carriages; Coaching; Cycling; Flight; Horsemanship; Navigation; Railroads; Roads; Rowing; Running; Skating; Transportation; Travel; Walking; Yachting.
Refer from Motion.

Locomotive engines. *See also* Railroads; Steam engine.
Refer from Engines; Machinery; Motors; Railroads; Steam engine.

Logarithms. *See also* Trigonometry.
Refer from Mathematics; Tables; Trigonometry.

Logic. *See also* Certainty; Evidence; Fallacies; Probabilities.
Refer from Evidence; Fallacies; Intellect; Philosophy; Probabilities; Proof; Psychology; Reason; Science; Thinking; Thought.
Longevity. *See also* Old age; Vital statistics.
Refer from Age; Biology; Hygiene; Life; Man; Old age; Pathology; Physiology.
Longitude.
Refer from Astronomy; Earth; Geography; Nautical astronomy; Navigation.
Looking-glasses. *See* Mirrors.
Lord's prayer.
Refer from Bible; Devotional exercises; Prayer; Prayers; Theology.
Lord's supper. *See also* Church membership; Close communion; Jesus Christ; Mass; Passover; Sacraments; Transubstantiation.
Refer from Altars; Church antiquities; Church membership; Church polity; Close communion; Communion; Confirmation; Devotional exercises; Eucharist; Jesus Christ; Mass; Passover; Protestant episcopal church in the U. S.; Real presence; Sacraments; Theology; Transubstantiation.
Lotteries. *See also* Probabilities.
Refer from Ethics; Gambling.
Love. *See also* Charity; Courtship; Friendship; Marriage; Mothers.
Refer from Charity; Courtship; Ethics; Friendship; Marriage; Passions; Theology; Woman.
Loyalists, American. *See* American loyalists.
Lumbering. *See also* Forestry; Timber.
Refer from Forestry; Timber; Trees.
Lunacy. *See* Insanity.
Lungs. *See also* Breathing; Consumption; Pneumonia.
Refer from Anatomy; Breathing; Chest; Consumption; Pathology; Pneumonia.
Luxury. *See also* Wealth.
Refer from Wealth.
Lycanthropy. *See* Werewolves.
Lyceums. *See also* Lecturing.
Refer from Education; Lecturing.
Lying. *See also* Truth.
Refer from Ethics; Truth.
Lynch law.
Refer from Law; Mobs.

Louisbourg

Lubricants

Lund, Univ. of

Lyric poetry. *See also* Ballads; Hymns; Minnesingers; Odes.
Refer from Ballads; Odes; Poetry; Songs.
Machinery. *See also* Agricultural machinery; Belting; Cranes; Electric engineering; Engineering; Engines; Friction; Gearing; Hydraulic engineering; Inventions; Locomotive engines; Manufactures; Mechanical drawing; Mechanics; Mills; Mines and mining; Motors; Patents; Pumps; Railroads; Steam engine; Technical education; Time-keepers; Tools; Turning; Water-wheels; Wheels; Windmills.
Refer from Arts, useful; Engineering; Instruments; Labor; Manual training; Manufactures; Mechanics; Mills; Motors; Power; Steam engine; Tools; Wheels.
Madness. *See* Insanity.
Madonna. *See* Mary, virgin.
Magazines. *See* Periodicals.
Magic. *See* Conjuring; Occult sciences; Witchcraft.
Magic lantern.
Refer from Light; Optical instruments; Projecting.
Magistrates. *See also* Judges; Justices of the peace; Monarchy.
Refer from Law; Political science.
Magnetic needle. *See* Compass.
Magnetism. *See also* Animal magnetism; Compass; Electricity; Electromagnets.
Refer from Electricity; Physics.
Mahommedanism. *See* Mohammedanism.
Mail. *See* Post office.
Maize.
Refer from Agriculture; Corn, Indian; Indian corn.
Majolica. *See also* Pottery.
Refer from Pottery.
Malacology. *See* Mollusks.
Malaria. *See also* Malarial fever.
Refer from Medicine; Pathology.
Malarial fever.
Refer from Ague; Fever; Malaria.
Malpractice.
Refer from Medical jurisprudence; Therapeutics.
Malt. *See* Beer; Brewing.
Malta, knights of.
Refer from Chivalry; Hospitallers; Knights hospitallers; Knights of Malta; Knights of St. John; Secret societies.

Mammals. *See also* Apes; Cat; Dog; Domestic animals; Gorilla; Horse; Man; Menageries; Monkeys; Quadrupeds; Seal; Vertebrates; Zoology.
Refer from Quadrupeds; Vertebrates; Zoology.

Man. *See also* Anatomy; Anthropometry; Archaeology; Cannibalism; Civilization; Color of man; Creation; Dwarfs; Ethics; Ethnology; Evolution; Family; Folklore; Future life; Giants; Heredity; History; Hygiene; Longevity; Manners and customs; Monsters; Paleontology; Phrenology; Physiognomy; Physiology; Psychology; Religion; Salvation; Sex; Sociology; Soul; Vital statistics; Woman; *also* names of races.
Refer from Anthropology; Archaeology: Civilization; Creation; Ethnology; Evolution; Geology; Human race; Life; Mammals; Natural history; Philosophy; Physiology; Science; Sociology; Zoology.

Mandamus.
Refer from Law.

Manly exercises. *See* Gymnastics; Physical education; Sports.

Manners. *See* Etiquette.

Manners and customs. *See also* Archaeology; Burial; Cannibalism; Caste; Costume; Drinking customs; Duelling; Eating; Etiquette; Folklore; Funerals; Kissing; Marriage; Punishment; Rites and ceremonies; Tattooing; Toasts.
Refer from Archaeology; Ceremonies; Customs; Ethics; Folklore; Man; Sociology; Usages.

Manual training. *See also* Carpentry; Drawing; Machinery; Sloyd; Technical education; Wood carving.
Refer from Arts, useful; Education; Industrial education; Technical education.

Manufactures. *See also* Arts, useful; Beverages; Bricks; Cables; Candles; Carriages; Cars; Chains; Clocks and watches; Clothing; Commerce; Confectionery; Cutlery; Factories; Factory system; Flour; Fuel; Furniture; Gas; Glass; Glue; Gutta percha; Hardware; Harness; Hats; Hosiery; India rubber; Labor; Lace; Leather; Liquors; Machinery; Metal work; Metals; Mills; Needlework; Paper; Patents; Perfumery; Pottery; Prices; Receipts; Rope; Soap;

Shoes; Stationery; Textile fabrics; Time-keepers; Trade marks: Woodwork.

Refer from Arts, useful; Business; Commerce; Industrial arts; Machinery; Mills; Political economy; Technology; Useful arts.

Manures. *See also* Agricultural chemistry; Fertilizers; Peat; Phosphates.

Refer from Agricultural chemistry; Agriculture; Fertilizers.

Manuscripts. *See also* Abbreviations; Illumination; Inscriptions; Writing.

Refer from Bibliography; Books; Diplomatics; Inscriptions; Literature; Palaeography; Writing.

Map drawing. *See also* Topographical drawing.

Refer from Drawing; Geography; Maps; Topographical drawing.

Maps. *See also* Atlases; Globes; Map drawing; *also* names of countries, *etc.*

Refer from Atlases; Cartography; Charts; Geography.

Marbling.

Refer from Bookbinding; Painting, mechanical; Paper.

Marine architecture. *See* Shipbuilding.

Marine insurance. *See* Insurance.

Marine plants. *See* Algæ.

Marine surveying. *See* Nautical surveying.

Marine zoology. *See also* Aquarium; Crustacea; Dredging; Fish; Mollusks; Ocean; Seal; Seashore.

Refer from Aquatic animals; Dredging; Ocean; Seashore; Zoology.

Mariner's compass. *See* Compass.

Mariolatry. *See* Immaculate conception; Mary, virgin.

Maritime law. *See also* Admiralty; Insurance; International law; Law, and the references under that subject; Mutiny; Prizes.

Refer from Admiralty; Commercial law; International law; Law.

Maritime surveying. *See* Nautical surveying.

Market gardening. *See* Agriculture; Gardening; Vegetables.

Markets.

Refer from Cities; Commerce; Food.

Marriage. *See also* Adultery; Celibacy; Chastity; Consanguinity; Courtship; Divorce; Husbands; Love; Polygamy; Wives; Woman.

Refer from Archaeology; Church antiquities; Church law; Consanguinity; Courtship; Divorce; Domestic relations; Ethics; Etiquette; Family; Husband and wife; Husbands; Law; Love; Manners and customs; Matrimony; Polygamy; Rites and ceremonies; Sacraments; Sociology; Weddings; Wives; Woman; Woman, *Law*.

Martial law. *See also* Habeas corpus; Military law.
Refer from Habeas corpus; Law; Military art and science; Military law; War.

Martyrs. *See also* Christian biography; Inquisition; Persecution; Saints.
Refer from Christian biography; Church history; Church of England; Heresy; Heroes; Inquisition; Persecution.

Mary, virgin. *See also* Christian art; Immaculate conception; Jesus Christ.
Refer from Catholic church; Immaculate conception; Jesus Christ; Legends; Madonna; Mariolatry; Miracles; Virgin Mary.

Masks (for the face).
Refer from Costume.

Masks (plays).
Refer from Drama; Masques; Theatre.

Masonry. *See also* Arches; Bricks; Bridges; Cement; Concrete; Foundations; Plastering; Stone; Strength of materials; Vaulting; Walls.
Refer from Architecture; Arts, useful; Bricks; Bridges; Building; Engineering; Foundations; Stone; Strength of materials; Walls.

Masons. *See* Freemasonry.

Masquerades.
Refer from Amusements; Balls (parties).

Masques. *See* Masks.

Mass. *See also* Lord's supper; Masses; Transubstantiation.
Refer from Altars; Catholic church; Lord's supper; Rites and ceremonies; Theology; Transubstantiation.

Massacres.
Refer from History.

Massage.
Refer from Therapeutics.

Masses (music).
Refer from Church music; Mass; Music.

Master and servant. *See also* Apprentices; Servants.

Refer from Domestic relations; Law; Servants.

Materia medica. *See also* Anaesthetics; Drugs; Pharmacy; Poisons; Purgatives; Stimulants and narcotics; Therapeutics.

Refer from Drugs; Medicine; Pharmacy; Therapeutics.

Materialism. *See also* Evolution; Rationalism; Soul.

Refer from Atheism; Matter; Philosophy; Skepticism; Theology.

Materials, strength of. *See* Strength of materials.

Maternity. *See* Mothers.

Mathematical drawing. *See* Geometrical drawing; Mechanical drawing.

Mathematical instruments. *See also* Arithmetical instruments; Calculating machines.

Refer from Instruments; Mathematics.

Mathematics. *See also* Algebra; Arithmetic; Astronomy; Axioms; Calculating machines; Calculus; Conic sections; Engineering; Equations; Geodesy; Geometry; Logarithms; Mathematical instruments; Mechanics; Mensuration; Metric system; Navigation; Numbers; Numerals; Physics; Probabilities; Quaternions; Surveying; Trigonometry.

Refer from Algebra; Conic sections; Geometry; Science; Trigonometry.

Matrimony. *See* Marriage.

Matter. *See also* Atoms; Materialism; Molecules; Physics.

Refer from Dynamics; Mechanics; Philosophy; Physics.

Maxims. *See also* Epigrams; Proverbs; Quotations.

Refer from Adages; Aphorisms; Apothegms; Epigrams; Laconics; Literature; Proverbs; Quotations; Sayings.

Meals. *See* Dining; Eating; Food.

Measures. *See* Mensuration; Weights and measures.

Meat. *See also* Animal food.

Refer from Animal food; Food.

Mechanic arts. *See* Arts, useful.

Mechanical drawing. *See also* Architectural drawing; Geometrical drawing; Graphics; Projection.

Refer from Drawing; Engineering; Geometrical drawing; Graphics; Industrial drawing; Machinery; Mathematical drawing.

Mechanics. *See also* Aerial navigation; Engineering; Fluids; Force; Friction; Gases; Hydraulic engineering; Liquids; Machinery; Matter; Motion; Motors; Perpetual motion; Physics; Power; Statics; Steam engine; Strength of materials.
Refer from Arts, useful; Dynamics; Engineering; Fluids; Force; Hydraulics; Hydrodynamics; Hydromechanics; Hydrostatics; Kinematics; Kinetics; Machinery; Mathematics; Motion; Physics; Power; Statics.
Mechanics (persons).
Refer from Biography.
Medals. *See* ~~Coins and medals~~. Numismatics
Mediaeval history. *See* Middle ages.
Medical botany.
Refer from Botany.
Medical chemistry.
Refer from Chemistry.
Medical education.
Refer from Education; Medical schools.
Medical electricity. *See* Electrotherapeutics.
Medical jurisprudence. *See also* Autopsy; Infanticide; Insanity; Malpractice; Poisons; Suicide.
Refer from Insanity; Law; Poisons.
Medical schools. *See* Medical education.
Medicine. *See also* Accidents; Allopathy; Anaesthetics; Anatomy; Animal magnetism; Antiseptics; Asylums; Autopsy; Bacteria; Children, *Diseases;* Clinical medicine; Contagion; Diagnosis; Germ theory; Heredity; Histology; Homeopathy; Hospitals; Hydropathy; Hygiene; Hygiene, public; Inoculation; Invalids; Malaria; Materia medica; Medical; Microscope; Military hygiene; Mind and body; Naval hygiene; Nurses and nursing; Pathology; Pharmacy; Physician; Physiology; Poisons; Quacks and quackery; Stimulants and narcotics; Surgery; Therapeutics; Vaccination; Veterinary medicine; Woman, *Diseases.*
Refer from Arts, useful; Homeopathy; Hygiene; Pathology; Physiology; Science; Surgery; Therapeutics; Woman, *Diseases.*
Meditations. *See* Devotional exercises.
Memoirs. *See* Biography; *also* names of individuals.
Memorial day.
Refer from Decoration day; Holidays.

Medusae

Memory.
Refer from Education; Intellect; Mental discipline; Mnemonics; Philosophy; Psychology.
Menageries.
Refer from Mammals; Zoological gardens; Zoology.
Mendicity. *See* Begging.
Mensuration. *See also* Gauging; Geodesy; Metric system; Surveying; Weights and measures.
Refer from Arithmetic; Engineering; Geometry; Mathematics; Measures; Metrology; Trigonometry; Weights and measures.
Mental arithmetic. *See* Arithmetic.
Mental discipline. *See* Education; Memory.
Mental diseases. *See* Brain; Idiocy; Illusions; Insanity.
Mental philosophy. *See* Philosophy; Psychology.
Mental physiology. *See* Mind and body.
Mercantile law. *See* Commercial law.
Merchandise *See* Commerce.
Merchants. *See also* Business; Commerce; Commercial law; Commercial travelers.
Refer from Biography; Business; Commerce.
Mercury.
Refer from Amalgamation; Metals; Mines and mining; Quicksilver.
Mesmerism. *See* Animal magnetism; Hypnotism.
Messiah. *See also* Jesus Christ.
Refer from Jews.
Metal-work. *See also* Brasses; Bronzes; Cutlery; Goldsmithing; Hardware; Iron work; Jewelry; Plate; Plating; Silversmithing; Soldering.
Refer from Architecture; Arts, fine; Arts, useful; Decoration and ornament; Hardware; Manufactures; Metals.
Metallurgy. *See* Metals.
Metals. *See also* Alchemy; Alloys; Amalgamation; Annealing; Assaying; Blowpipe; Brass; Bronze; Casting; Chemistry; Electrometallurgy; Gold; Hardware; Iron; Lead; Mercury; Metalwork; Mineralogy; Mines; Precious metals; Silver; Steel; Wire.
Refer from Arts, useful; Assaying; Chemistry; Geology; Manufactures; Metallurgy; Mineralogy; Mines and mining; Ores; Smelting.

Metaphor *See also* Rhetoric.
Refer from Rhetoric.
Metaphysics. *See* Philosophy; Psychology.
Metempsychosis. *See* Transmigration.
Meteorites. *See* Meteors.
Meteorology. *See also* Air; Aurora; Barometer; Climate; Clouds; Cold; Dew; Electricity; Evaporation; Fog; Frost; Hail; Heat; Ice; Lightning; Meteors; Ocean; Physical geography; Rain; Rainbow; Seasons; Snow; Storms; Temperature; Thermometer; Thunderstorms; Waterspouts; Weather; Winds.
Refer from Air; Atmosphere; Climate; Clouds; Earth; Physical geography; Physics; Rain; Science; Sky; Water; Weather; Winds.
Meteors.
Refer from Aerolites; Astronomy; Falling stars; Meteorites; Meteorology; Shooting-stars; Stars.
Methodism. *See also* Episcopacy.
Refer from Church polity; Episcopacy.
Methodist episcopal church.
Refer from Episcopal church; Sects; Wesleyans.
Metre. *See also* Poetry; Prosody; Versification.
Refer from Poetry; Prosody; Versification.
Metric system. *See also* Decimal system; Weights and measures.
Refer from Arithmetic; Decimal system; Mathematics; Mensuration; Weights and measures.
Metrology. *See* Mensuration; Weights and measures.
Microbes. *See* Bacteria.
Microphotography. *See* Photomicrography.
Microscope. *See also* Photomicrography.
Refer from Animalcules; Botany; Histology; Light; Medicine; Natural history; Optical instruments; Science; Zoology.
Middle ages. *See also* Castles; Chivalry; Crusades; Feudalism; Inquisition; Monasticism; Renaissance.
Refer from Archaeology; Chivalry; Church history; Crusades; Dark ages; Feudalism; History; History, mediaeval; History, modern; Mediaeval history; Renaissance.
Military architecture. *See also* Arsenals; Castles; Fortification.
Refer from Architecture, military; Cas-

tles; Fortification; Military art and science; Military engineering.

Military art and science. *See also* Ammunition; Arms and armor; Artillery; Battles; Bayonet; Camps; Cavalry; Chariots; Conscription; Explosives; Fencing; Fire arms; Flags; Fortification; Gunnery; Hospitals; Infantry; Martial law; Military architecture; Military biography; Military education; Military engineering; Military history; Military hygiene; Military law; Military surgery; Militia; Mutiny; Naval art and science; Ordnance; Peace; Projectiles; Sieges; Signals; Soldiers; Sword; Tactics; Tents; Torpedoes.

Refer from Army; Artillery; Cavalry; Drill; Fighting; Infantry; Ordnance; Science; Sieges; Soldiers; Strategy; Tactics; War.

Military biography. *See also* Generals; Soldiers.

Refer from Biography; Generals; Military art and science; Military history; Soldiers.

Military education.

Refer from Education; Military art and science; Military schools.

Military engineering. *See also* Bridges; Engineering; Fortification; Military architecture.

Refer from Engineering; Military art and science.

Military history. *See also* Battles; Military biography; Naval history; Sieges; *also* names of countries, wars, battles, places besieged, generals, *etc.*

Refer from History; Military art and science.

Military hygiene. *See also* Military surgery; Naval hygiene.

Refer from Hygiene; Medicine; Military art and science.

Military law. *See also* Courts-martial; Martial law.

Refer from Courts-martial; Law; Martial law; Military art and science.

Military schools. *See* Military education.

Military surgery. *See also* Ambulances; Amputation; Naval surgery; Wounds.

Refer from Military art and science; Military hygiene; Naval surgery; Surgery.

Militia. *See also* names of states and countries.
Refer from Military art and science.

Milk. *See also* Butter; Cheese; Cow; Dairy.
Refer from Agriculture; Beverages; Cattle; Cow; Dairy; Food.

Millennium. *See also* Future life; Jesus Christ; Second advent.
Refer from Future life; Jesus Christ; Second advent; Theology.

Millerites. *See* Second adventists.

Millinery. *See also* Costume; Headgear.
Refer from Costume: Headgear.

Mills. *See also* Factories; Machinery; Manufactures.
Refer from Arts, useful; Factories; Machinery; Manufactures.

Mind. *See* Intellect; Psychology.

Mind and body. *See also* Animal magnetism; Brain; Dreams; Hypnotism; Idiocy; Insanity; Instinct; Nervous system; Psychology.
Refer from Body and mind; Brain; Faith cure; Hygiene; Insanity; Medicine; Mental physiology; Mind cure; Nervous system; Philosophy; Physiology; Psychology.

Mind cure. *See* Animal magnetism; Christian science; Faith cure; Mind and body.

Mind reading. *See also* Animal magnetism; Clairvoyance; Hypnotism.
Refer from Animal magnetism; Clairvoyance; Psychology; Spiritualism.

Mineralogy. *See also* Assaying; Blowpipe; Coal; Crystallography; Diamonds; Gems; Geology; Metals; Mines and mining; Precious stones; Rocks; Stone.
Refer from Blowpipe; Chemistry; Crystallography; Diamonds; Geology; Metals; Mines and mining; Natural history; Ores; Rocks; Science.

Mines and mining. *See also* Blasting; Coal; Engineering; Explosives; Gold; Iron; Lead; Mercury; Metals; Mineralogy; Silver; Tunnels; Ventilation.
Refer from Arts, useful; Coal; Earth; Engineering; Geology; Gold; Hydraulic engineering; Iron; Machinery; Metals; Mineralogy; Mining; Ores; Quarrying; Silver.

Miniature painting.
Refer from Arts, fine; Painting; Portrait painting.

Mining. *See* Mines and mining.

Ministers (of the gospel). *See also* Christian biography; Clergy; Curates; Missionaries; Ordination; Preachers; Preaching; Priests.

Refer from Biography; Christian biography; Church polity; Clergy; Pastors; Preachers; Priests; Rectors.

Ministers (of state). *See also* Ambassadors; Chancellors; Diplomacy; International law; Prime ministers; Treaties.

Refer from Biography.

Minnesingers.

Refer from Bards; Lyric poetry; Minstrels; Poetry; Poets.

Minorities.

Refer from Election (in politics); Political science; Representation.

Minstrels. *See also* Bards; Minnesingers; Troubadours; Trouvères.

Refer from Bards; Poets.

Mint. *See* U. S., *Mint; also* names of other countries.

Miracle plays. *See also* Drama.

Refer from Drama; Morality plays; Mysteries (dramatic); Passion play; Theatre.

Miracles. *See also* Jesus Christ; Mary, virgin; Relics; Saints; Spiritualism.

Refer from Bible; Catholic church; Christianity; Church history; Jesus Christ; Relics; Religion; Supernatural; Theology.

Mirrors.

Refer from Furniture; Looking-glasses.

Missals.

Refer from Catholic church; Liturgies.

Missionaries.

Refer from Biography; Christian biography; Evangelists; Heroes; Ministers (of the gospel).

Missions. *See also* Conversion; Revivals; Tract societies.

Refer from Catholic church; Christianity; Church history; Conversion; Foreign missions; Home missions; Religion; Theology.

Mistakes. *See* Blunders.

Mnemonics. *See* Memory.

Mobs. *See* Lynch law; Riots.

Modern history. *See* History, modern.

Mohammedanism. *See also* Dervishes; Koran.

Refer from Islam; Koran; Mahommedanism; Polygamy; Religions.

Molding. *See* Casting.

Molecules. *See also* Atoms; Chemistry; Physics.

Refer from Atoms; Chemistry; Matter; Physics.

Mollusks. *See also* Oyster; Pearls.

Refer from Conchology; Invertebrates; Malacology; Marine zoology; Shells; Zoology.

Monarchy. *See also* Coronations; Democracy; Despotism; Emperors; Kings; Queens; Tyranny.

Refer from Democracy; Executive power; Kings; Magistrates; Political science; Princes; Queens; Royalty; Rulers; Sovereigns.

Monasteries. *See also* Abbeys; Convents; Monasticism; Nunneries.

Refer from Catholic church; Convents; Monasticism.

Monasticism. *See also* Asceticism; Benedictines; Brotherhoods; Buddhism; Capuchins; Carthusians; Celibacy; Cistercians; Convents; Dominicans Franciscans; Jesuits; Monasteries, Nunneries; ; Nuns; Sisterhoods.

Refer from Abbeys; Asceticism; Brotherhoods; Catholic church; Christian biography; Christian life; Church history; Church polity; Convents; Friars; Middle ages; Monasteries; Monks; Nunneries; Orders, monastic; Religion; Religious orders; Sisterhoods.

Money. *See also* Bank notes; Banks; Bimetallism; Business; Capital; Coins and medals; Commerce; Counterfeits; Credit; Decimal system; Exchange, Finance; Gold; Greenbacks; Interest; Investments; Legal tender; Paper money; Prices; Silver; Stock exchange; Wealth.

Refer from Banks; Bills of credit; Bills of exchange; Bimetallism; Bullion; Business; Capital; Coins and medals; Commerce; Counterfeits; Credit; Currency; Exchange; Finance; Gold; Legal tender; Paper money; Political economy; Precious metals; Silver; Specie; Stock exchange; Value; Wealth.

Monkeys. *See also* Apes; Gorilla.

Refer from Apes; Mammals; Zoology.

Monks. *See* Hermits; Monasticism.

Monograms. *See also* Alphabets.

Refer from Alphabets; Decoration and ornament.

Monopolies. *See also* Capital; Competition; Grangers; Trusts.
Refer from Capital; Commerce; Competition; Political economy; Trusts.
Monotheism.
Refer from God; Theology.
Monroe doctrine.
Refer from International law.
Monsters. *See also* Dwarfs; Giants.
Refer from Deformities; Man; Monstrosities; Physiology; Zoology.
Monstrosities. *See* Monsters.
Months. *See also* Seasons; Year; *also* names of months.
Refer from Year.
Monuments. *See also* Archaeology; Arches of triumph; Brasses; Inscriptions; Obelisks; Pyramids; Sculpture; Tombs; Tombstones.
Refer from Archaeology; Burial; Sculpture.
Moon. *See also* Eclipses; Tides.
Refer from Astronomy; Eclipses; Planets.
Moot courts.
Refer from Courts; Law.
Moraines. *See also* Boulders; Glaciers.
Refer from Boulders; Geology; Glaciers; Physical geography.
Moral philosophy. *See* Ethics.
Morality plays. *See* Miracle plays.
Moravians.
Refer from Sects; United brethren.
Mormonism.
Refer from Latter-day saints; Polygamy; Religions; Sects.
Morphia. *See also* Opium.
Refer from Opium; Stimulants and narcotics.
Morphology. *See also* Anatomy; Embryology; Histology.
Refer from Physiology.
Mortality.
Refer from Vital statistics.
Mortar. *See* Cement.
Mortgages.
Refer from Contracts; Investments; Law; Negotiable instruments; Property; Real property; Securities.
Mosaics.
Refer from Arts, fine; Decoration and ornament; Floors; Pavements; Wall decoration.

Mosses. *See also* Algæ; Lichens.
Refer from Botany; Bryology; Cryptogams.

Mothers. *See also* Children.
Refer from Children; Family; Love; Maternity; Parents; Wives; Woman.

Moths. *See also* Caterpillars; Lepidoptera.
Refer from Insects; Lepidoptera.

Motion. *See also* Force; Locomotion; Mechanics; Motors; Perpetual motion.
Refer from Dynamics; Kinematics; Kinetics; Mechanics; Physics.

Motors. *See also* Dynamos; Electric motors; Engines; Locomotive engine; Machinery; Steam engine; Waterwheels; Windmills.
Refer from Machinery; Mechanics; Motion; Physics; Power.

Mottoes. *See also* Devices.
Refer from Devices; Literature.

Mould. *See also* Fungi.
Refer from Fungi.

Moulding. *See* Casting.

Mound builders. *See also* Indians; U. S., *Antiquities.*
Refer from Archaeology; Ethnology; Indians of North America.

Mounds. *See also* Barrows; Shell mounds.
Refer from Archaeology; Barrows; Burial; Tumuli.

Mountaineering. *See also* Alpine clubs.
Refer from Alpine clubs; Mountains; Sports.

Mountains. *See also* Alpine clubs; Alpine plants; Alpine zoology; Avalanches; Geology; Mountaineering; Physical geography; Volcanoes; *also* names of mountains.
Refer from Geology; Physical geography.

Mouth. *See also* Lockjaw; Teeth.
Refer from Anatomy; Face; Head.

Mummies. *See also* Embalming.
Refer from Archaeology; Burial; Embalming.

Municipal corporations. *See also* Cities; Local government; Towns.
Refer from Cities; Corporations; Law; Local government; Municipal law.

Municipal government. *See* Cities; Local government.

Municipal law. *See* Law; Municipal corporations.

Mural decoration. *See* Wall decoration.

Murder. *See also* Assassination; Infanticide; Poisons; Suicide; Treason; Trials.
Refer from Assassination; Criminal law. Death; Homicide; Law.

Museums. *See also* Art galleries; Botanical museums; Exhibitions; *also* names of museums.
Refer from Exhibitions.

Mushrooms. *See also* Fungi.
Refer from Food; Fungi; Toadstools.

Music. *See also* Anthems; Cantatas; Carols; Chanting; Chants; Church music; Composition; Concerts; Counterpoint; Duets; Glees; Harmony; Hymns; Instrumental music; Instrumentation; Masses; Musical education; Musical instruments; Musicians; National songs; Opera; Oratorio; School music; Singing; Songs; Sound; Symphonies; Voice.
Refer from Aesthetics; Amusements; Arts, fine; Composition, musical; Criticism; Harmony; Instrumental music; Singing; Sound; Vocal music; Voice.

Musical education. *See also* Voice.
Refer from Education; Music.

Musical instruments. *See also* Instrumental music; Instrumentation; Orchestral music; Organ; Pianoforte; Tuning; Violin.
Refer from Instrumental music; Instruments; Music.

Musicians. *See also* Pianists; Singers.
Refer from Artists; Authors; Biography; Composers; Music.

Mutiny.
Refer from Criminal law; Law; Maritime law; Military art and science.

Mutual benefit societies. *See* Friendly societies.

Mycology. *See* Fungi.

Mysteries (dramatic). *See* Miracle plays.

Mysteries (religious). *See also* Mythology.
Refer from Mythology; Religion.

Mysticism. *See also* Rosicrucians.
Refer from Philosophy; Religion; Theology.

Mythology. *See also* Animals, legends of; Animals, worship of; Archaeology; Argonauts; Aryans; Classical dictionaries; Fairy tales; Fauns; Folklore; Indians; Legends; Mysteries; Religions; Sagas; Superstition.
Refer from Archaeology; Classical antiquities; Ethnology; Folklore; God;

Heroes; Legends; Mysteries (religious); Religion; Religions; Superstition.

Names (geographical).
Refer from Etymology; Geographical names; Geography; Language.

Names (personal). *See also* Nicknames; Pseudonyms.
Refer from Etymology; Language; Proper names; Surnames.

Narcotics. *See* Stimulants and narcotics.

Nasal passages. *See* Nose.

National banks. *See* Banks.

National songs.
Refer from Music; Songs.

Nationalism. *See* Socialism.

Nations, law of. *See* International law.

Natural history. *See also* Aquarium; Biology; Botany; Chemistry; Classification; Evolution; Geology; Hunting; Man; Microscope; Mineralogy; Naturalists; Nature; Ocean; Paleontology; Physical geography; Physics; Science; Taxidermy; Zoology.
Refer from Biology; Botany; History, natural; Natural science; Nature; Outdoor life; Science; Zoology.

Natural philosophy. *See* Physics.

Natural religion. *See also* Atheism; Christianity; Creation; Deism; Ethics; Future life; God; Religion; Religion and science; Theology.
Refer from Atheism; God; Natural theology; Philosophy; Religion; Religion and science; Theology.

Natural science. *See* Natural history; Physics; Science.

Natural selection. *See* Evolution.

Natural theology. *See* Natural religion.

Naturalists. *See also* Scientists.
Refer from Authors; Biography; Natural history; Scientists.

Naturalization. *See also* Citizenship.
Refer from Aliens; Allegiance; Citizenship; Immigration; International law; Suffrage.

Nature. *See also* Earth; Natural history; Science.
Refer from Natural history; Philosophy; Physical geography; Science.

Nautical almanacs.
Refer from Almanacs; Astronomy; Ephemerides; Navigation.

Nautical astronomy. *See also* Latitude; Longitude; Navigation.

Refer from Astronomy; Navigation.

Nautical surveying. *See also* Navigation; Surveying.

Refer from Hydrography; Marine surveying; Maritime surveying; Navigation; Surveying.

Naval architecture. *See* Shipbuilding.

Naval art and science. *See also* Armored vessels; Blockade; Naval artillery; Naval biography; Naval history; Naval hygiene; Naval tactics; Navigation; Privateering; Shipbuilding; Submarine warfare; Torpedoes.

Refer from Fighting; Military art and science; Naval warfare; Navy; Science; Ships; Strategy; War.

Naval artillery.

Refer from Artillery; Naval art and science; Ordnance.

Naval battles. *See* Naval history.

Naval biography. *See also* Admirals; Sailors.

Refer from Admirals; Biography; Naval art and science; Naval history; Sailors.

Naval history. *See also* Battles; Buccaneers; Naval biography; Navigation; Pirates; Privateering.

Refer from History; Military history; Naval art and science; Naval battles; Navigation.

Naval hygiene. *See also* Quarantine; Seasickness.

Refer from Hygiene; Medicine; Military hygiene; Naval art and science.

Naval surgery. *See also* Amputation; Military surgery; Wounds.

Refer from Military surgery; Surgery.

Naval tactics.

Refer from Naval art and science; Tactics.

Naval warfare. *See* Naval art and science.

Navigation. *See also* Aerial navigation; Beacons; Boating; Canals; Canoeing; Coast pilots; Commerce; Compass; Harbors; Inland navigation; Knots; Latitude; Life-boats; Lighthouses; Longitude; Nautical almanacs; Nautical astronomy; Nautical surveying; Naval history; Ocean; Pirates; Rowing; Sailing; Sailors; Shipbuilding; Ships; Shipwrecks; Signals; Steam navigation; Steamboats; Steamships; Voyages and travels; Yachting.

Refer from Arts, useful; Astronomy;

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Boating; Carriers; Commerce; Locomotion; Mathematics; Nautical astronomy; Nautical surveying; Naval art and science; Naval history; Ocean; Sailing; Seamanship; Ships; Steam navigation; Trigonometry; Vessels, Yachting.

Navy. *See* Naval art and science; *also* names of countries subhead *Navy.*

Nebulæ.
Refer from Astronomy.

Nebular hypothesis.
Refer from Astronomy.

Nebulae

Necessity. *See also* Liberty of the will; Predestination.
Refer from Liberty of the will; Philosophy.

Necromancy. *See* Conjuring; Witchcraft.

Needlework. *See also* Dressmaking; Embroidery; Fancy work; Lace; Sewing schools; Tapestry.
Refer from Arts, fine; Domestic economy; Dressmaking; Embroidery; Fancy work; Lace; Manufactures; Sewing; Woman.

Negligence.
Refer from Law.

Negotiable instruments. *See also* Bonds; Commercial law; Exchange; Interest; Investments; Mortgages; Stocks.
Refer from Commercial law; Law

Negroes. *See also* African colonization; Color of man; Freedmen; Slave trade; Slavery.
Refer from Colored people; Ethnology; Freedmen; Slavery.

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Nerves.
Refer from Anatomy; Nervous system.

Nervous system. *See also* Brain; Headache; Hysteria; Insanity; Mind and body; Nerves; Neuralgia; Spine; Temperament.
Refer from Anatomy; Brain; Insanity; Mind and body; Neurology; Pathology; Physiology; Spine; Temperament.

Nestorians.
Refer from Eastern churches; Sects.

Nests. *See also* Birds; Eggs.
Refer from Birds; Zoology.

Neuralgia.
Refer from Nervous system; Pathology.

Neurology. *See* Nervous system.

Neutrality. *See also* Blockade; International law.

Refer from Blockade; International law; Law.

New church. *See* New Jerusalem, church of the.

New Jerusalem, church of the.
Refer from New church; Sects; Swedenborgianism.

New year.
Refer from Holidays.

Newspapers. *See also* Journalism; Liberty of the press; Periodicals.
Refer from Journalism; Literature; Periodicals; Press.

Nicene creed.
Refer from Church of England; Creeds.

Nicknames. *See also* Pseudonyms.
Refer from Names (personal); Pseudonyms; Sobriquets; Soubriquets.

Night. *See also* Dew; Dreams; Nightmare; Sleep; Somnambulism.
Refer from Days.

Nightmare. *See also* Dreams.
Refer from Dreams; Incubus; Night; Sleep.

Nihilism. *See also* Anarchy; Russia.
Refer from Anarchy; Philosophy; Political science; Secret societies.

Nippur

Nobility. *See* Heraldry; Peerage.

Noise. *See also* Sound.
Refer from Sound.

Noms de plume. *See* Pseudonyms.

Nonconformists. *See also* Church of England; Dissenters; Nonjurors; Puritans.
Refer from Christian biography; Church of England; Dissenters; Puritans.

Nonjurors.
Refer from Church of England; Dissenters; Nonconformists; Puritans.

Nonresistance. *See* Peace.

Normal schools.
Refer from Education; Schools; Teachers.

North American Indians. *See* Indians of North America.

North pole. *See also* Arctic regions.
Refer from Arctic regions; Earth; Polar regions.

Northeast boundary of the U. S.
Refer from Boundaries.

Northeast passage. *See also* Arctic regions.
Refer from Arctic regions.

Northern lights. *See* Aurora.

Northmen. *See also* America, *Discovery;* Scandinavia.
Refer from Vikings.

Northwest boundary of the U. S.
Refer from Boundaries.
Northwest passage. *See also* Arctic regions.
Refer from Arctic regions.
Nose. *See also* Catarrh; Smell.
Refer from Anatomy; Breathing; Face; Head; Nasal passages; Smell.
Novelists.
Refer from Authors; Fiction.
Novels. *See* Fiction.
Nuisance (law).
Refer from Law.
Nullification. *See also* State rights.
Refer from Political science; State rights.
Numbers [theory of]. *See also* Arithmetic; Numerals.
Refer from Algebra; Arithmetic; Mathematics; Numerals.
Numerals [the signs and words]. *See also* Numbers.
Refer from Arithmetic; Mathematics; Numbers.
Numismatics. *See* Coins and medals.
Nunneries. *See also* Abbeys; Convents; Monasticism; Nuns.
Refer from Catholic church; Church history; Convents; Monasteries; Monasticism; Nuns; Sisterhoods.
Nuns. *See also* Nunneries.
Refer from Monasticism; Nunneries; Sisterhoods; Woman.
Nurses and nursing. *See also* Accidents; Diet; Hospitals.
Refer from Hospitals; Hygiene; Invalids; Medicine; Pathology; Therapeutics; Woman.
Oaths. *See also* Swearing.
Refer from Ethics; Political science; Swearing.
Obelisks.
Refer from Archaeology; Architecture; Monuments.
Obesity. *See* Corpulence.
Object teaching. *See also* Kindergarten.
Refer from Education; Kindergarten.
Occult sciences. *See also* Alchemy; Astrology; Divination; Second sight; Spiritualism; Theosophy; Witchcraft.
Refer from Magic; Superstition; Witchcraft.
Ocean. *See also* Algæ; Commerce; Dredging; Marine zoology; Naval; Navigation; Phosphorescence; Physical geography; Seashore; Seasickness; Ships; Ship-

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wrecks; Tides; Voyages and travels; Water; Waves.
Refer from Currents; Dredging; Marine zoology; Meteorology; Natural history; Navigation; Physical geography; Sea; Seashore; Tides; Water.
Odd fellows.
Refer from Friendly societies; Independent order of odd fellows; Secret societies.
Odes. *See also* Lyric poetry.
Refer from Lyric poetry; Poetry.
Odors. *See also* Perfumery; Smell.
Refer from Flowers; Perfumes.
Office, tenure of. *See* Civil service.
Oil. *See also* Lamps; Petroleum.
Refer from Fat; Lighting.
Oil painting. *See also* Painting.
Refer from Painting.
Old age. *See also* Age; Longevity; Pensions.
Refer from Age; Longevity.
Omens. *See also* Astrology; Divination; Oracles.
Refer from Divination; Presages; Signs; Superstition; Warnings.
Ontology. *See* Being; Philosophy.
Oology. *See* Birds; Eggs.
Opera. *See also* Amateur operas.
Refer from Amusements; Drama; Music; Theatre.
Ophthalmia. *See* Eye.
Opium. *See also* Morphia.
Refer from Morphia; Stimulants and narcotics; Temperance.
Optical instruments. *See also* Astronomical instruments; Kaleidoscope; Magic lantern; Microscope; Polariscope; Spectacles; Spectrum; Stereoscope; Telescope.
Refer from Instruments; Light; Optics; Philosophical instruments.
Optics. *See* Light; Optical instruments.
Oracles.
Refer from Omens; Prophecies; Religion; Superstition.
Orations. *See also* Oratory.
Refer from Addresses; Elocution; Literature; Oratory; Readers; Speeches.
Oratorio. *See also* Cantatas.
Refer from Church music; Music.
Orators.
Refer from Biography; Elocution; Speakers.

Oratory. *See also* Debating; Elocution; Eloquence; Gesture; Lecturing; Orations; Preaching; Reading; Rhetoric; Voice.
Refer from Debating; Elocution; Eloquence; Orations; Rhetoric; Speaking; Speeches; Voice.
Orchards. *See* Fruit.
Orchestral music. *See also* Instrumental music.
Refer from Instrumental music; Musical instruments.
Orchids.
Refer from Botany; Floriculture; Flowers.
Orders (architectural).
Refer from Architecture.
Orders, monastic. *See* Monasticism.
Orders of knighthood. *See* Chivalry.
Ordination.
Refer from Bishops; Church polity; Clergy; Episcopacy; Ministers (of the gospel); Priests; Rites and ceremonies; Sacraments.
Ordnance. *See also* Ammunition; Artillery; Fire arms; Gunnery; Gunpowder; Military art and science; Naval artillery; Projectiles.
Refer from Arms and armor; Artillery; Cannon; Fire arms; Gun; Gunnery; Military art and science; Projectiles.
Ores. *See* Metals; Mineralogy; Mines and mining.
Organ. *See also* Church music.
Refer from Church music; Musical instruments.
Origin of species. *See* Evolution; Species.
Original sin. *See* Sin.
Ornamental alphabets. *See* Alphabets; Illumination.
Ornament. *See* Decoration.
Ornithology. *See* Birds.
Orphans. *See also* Adoption; Foundlings.
Refer from Children.
Orthodoxy. *See also* Calvinism; Congregationalism.
Refer from Calvinism; Congregationalism; Theology.
Orthoepy. *See* Phonetics; Pronunciation.
Orthographic projection. *See* Projection.
Orthography. *See* Spelling.
Orthopedics. *See* Deformities.
Osteology. *See* Bones.
Outdoor life. *See also* Camping; Country

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life; Fishing; Hunting; Natural history; Sports.
Refer from Country life; Rural life.
Ox. *See also* Cattle.
Refer from Agriculture; Cattle; Domestic animals.
Oxford movement.
Refer from Catholic church; Church of England; Puseyism; Tractarianism.
Oyster. *See also* Pearls.
Refer from Food; Mollusks.
Pageants. *See also* Processions.
Refer from Archaeology; Festivals; Processions.
Pain. *See also* Anaesthetics; Pleasure; Suffering; Vivisection.
Refer from Emotions; Pleasure; Psychology; Suffering.
Paint. *See also* Color; Painting.
Refer from Chemistry; Painting; Painting, mechanical; Pigments.
Painted glass. *See* Glass painting.
Painters. *See also* Artists.
Refer from Artists; Biography; Painting.
Painting. *See also* Aesthetics; Anatomy for artists; Artists; Arts, fine; China painting; Color; Decoration; Drawing; Frescoes; Glass painting; Illumination; Landscape painting; Miniature painting; Oil painting; Paint; Painters; Painting, mechanical; Paintings; Perspective; Portrait painting; Wall decoration; Water color painting.
Refer from Archaeology; Arts, fine; Color; Composition; Decoration and ornament; Graphic arts; Oil painting; Paint; Paintings; Sketching; Water color painting.
Painting, mechanical. *See also* Alphabets; Carriage painting; Color; Gilding; Graining; House painting; Marbling; Paint; Sign painting; Varnishing.
Refer from Arts, useful; Carriage painting; Graining; House painting; Painting; Sign painting; Varnishing.
Paintings. *See also* Art galleries; Painting; Portraits.
Refer from Painting; Pictures.
Palaces.
Refer from Architecture.
Palaeography. *See* Inscriptions; Manuscripts; Writing.
Paleontology. *See also* Footprints; Geology.
Refer from Botany; Fossils; Geology;

Pahlavi

Man; Natural history; Petrifaction; Science; Zoology.

Palmistry.
Refer from Amusements; Cheirosophy; Chiromancy; Divination; Fortune-telling; Hand; Superstition.

Palsy. *See* Paralysis.

Panics. *See also* Speculation.
Refer from Commerce; Finance; Political economy; Speculation; Stock exchange.

Panjáb

Pantheism. *See also* God.
Refer from God; Philosophy; Religion; Skepticism; Theology.

Pantomime. *See also* Gesture; Shadow pantomimes.
Refer from Acting; Amateur theatricals; Amusements; Drama; Gesture; Sign language; Theatre.

Papacy. *See* Catholic church; Popes.

Paper. *See also* Marbling.
Refer from Manufactures; Printing; Stationery; Writing.

Paper hanging.
Refer from House decoration; Wall decoration.

Paper money. *See also* Bank notes; Banks; Finance; Greenbacks; Legal tender; Money.
Refer from Bank notes; Bills of credit; Bills of exchange; Counterfeits; Greenbacks; Money.

Parables. *See also* Allegories; Bible; Fables; Jesus Christ.
Refer from Allegories; Bible; Jesus Christ.

Paradise. *See also* Fall of man.
Refer from Bible.

Paralysis. *See also* Apoplexy.
Refer from Brain; Palsy; Pathology.

Parasites. *See also* Bacteria; Fungi.
Refer from Botany; Insects; Pathology; Skin; Worms; Zoology.

Parents. *See also* Ancestor worship; Children; Domestic education; Family; Fathers; Heredity; Mothers.
Refer from Children; Ethics; Family.

Parks. *See also* Commons; Landscape gardening.
Refer from Land; Landscape gardening.

Parliament. *See* England, *Parliament; also* names of other countries.

Parliamentary practice.
Refer from Debating; Law; Legislation; Rules of order.

Parodies.
Refer from Literature; Poetry; Wit and humor.

Parsees. *See also* Avesta.
Refer from Avesta; Fire-worshippers; Religions.

Parties. *See* Balls.

Parties, political. *See also* names of parties.
Refer from Political parties; Political science.

Partnership. *See also* Agents; Corporations.
Refer from Commerce; Commercial law; Contracts; Law.

Passion play. *See* Miracle plays.

Passions. *See also* Emotions; Gambling; Love.
Refer from Emotions; Ethics; Philosophy; Psychology.

Passover. *See also* Lord's supper.
Refer from Jews; Lord's supper.

Pastoral poetry.
Refer from Bucolic poetry; Country life Poetry; Rural poetry.

Pastors. *See* Clergy; Ministers; Preaching.

Pastry. *See* Cookery.

Patents. *See also* Inventions; Trade marks.
Refer from Arts, useful; Discoveries (in science); Inventions; Law; Machinery; Manufactures; Trade marks.

Pathology. *See also* Abdomen; Abscess; Anatomy; Apoplexy; Asthma; Autopsy; Bacteria; Black death; Blood; Brain; Bronchitis; Cancer; Catarrh; Chest; Chicken pox; Children, *Diseases;* Cholera; Clinical medicine; Cold; Consumption; Contagion; Croup; Deafness; Deformities; Diagnosis; Digestion; Dyspepsia; Ear; Epidemics; Eye; Fever; Germ theory; Hair; Hay fever; Head; Headache; Heart; Heatstroke; Hemorrhage; Histology; Hygiene; Hysteria; Idiocy; Inflammation; Influenza; Insanity; Insomnia; Intestines; Joints; Liver; Lockjaw; Longevity; Lungs; Malaria; Medicine; Nervous system; Neuralgia; Nurses and nursing; Paralysis; Parasites; Plague; Pneumonia; Rheumatism; Scarlatina; Scarlet fever; Seasickness; Skin; Small pox; Somnambulism; Sorethroat; Spine; Stomach; Surgery; Teeth; Therapeutics; Throat; Tumors; Ulcers; Varioloid; Voice; Woman, *Diseases.*

Refer from Clinical medicine; Disease; Hygiene; Medicine; Physiology; Surgery; Therapeutics.

Patience.
Refer from Ethics.

Patience (game).
Refer from Cards; Games; Solitaire.

Patriarchs.
Refer from Bible; Biography; Jews.

Patriotism.
Refer from Citizenship; Ethics; Political science.

Patrons of husbandry. *See* Grangers.

Pauperism. *See* Poor.

Pavements. *See also* Concrete; Mosaics; Roads.
Refer from Floors; Roads.

Pawnbroking.
Refer from Banks and banking; Commerce.

Peace.
Refer from Ethics; International law; Military art and science; Nonresistance; Sociology; War.

Pearls.
Refer from Diving; Jewelry; Mollusks; Oyster; Precious stones.

Peasantry.
Refer from Agriculture; Country life; Labor.

Peat.
Refer from Fuel; Geology; Manures; Physical geography.

Pedagogy. *See* Education.

Pedestrianism. *See* Walking.

Pedigrees. *See* Genealogy; Heraldry; Horse.

Peerage. *See also* Baronage; Baronetage; Heraldry.
Refer from Baronage; Baronetage; Biography; Heraldry; Nobility.

Penance. *See also* Absolution; Confession; Pilgrimage; Repentance.
Refer from Absolution; Catholic church; Church polity; Confession; Repentance; Sacraments; Theology.

Pendulum.
Refer from Astronomy; Clocks and Watches; Geodesy; Physics; Timekeepers.

Penitence. *See* Repentance.

Penitentiaries. *See* Prisons.

Penmanship. *See also* Alphabets; Writing.
Refer from Handwriting; Writing.

Penology

Pensions.
Refer from Old age; Poor; Soldiers.
People. *See also* Democracy; Folklore; Labor; Liberty; Poor; Sociology.
Refer from Sociology.
Perfumery.
Refer from Chemistry; Cosmetics; Costume; Manufactures; Odors; Perfumes; Toilet.
Perfumes. *See* Odors; Perfumery.
Periodicals. [All special periodicals should be entered under their subject. They may also be entered here alphabetically under title.] *See also* Advertising; Journalism; Liberty of the press; Newspapers.
Refer from Journalism; Literature; Magazines; Newspapers; Press.
Perpetual motion.
Refer from Mechanics; Motion.
Persecution. *See also* Friends; Inquisition; Jews; Liberty of conscience; Martyrs; Religious liberty; Witchcraft.
Refer from Catholic church; Church history; Fanaticism; Heresy; Liberty of conscience; Martyrs; Religious liberty.
Personal liberty. *See* Liberty.
Personal property. *See also* Property; Sale; Taxation.
Refer from Law; Property.
Perspective. *See also* Drawing; Projection; Shadows.
Refer from Drawing; Geometrical drawing; Geometry; Light; Painting; Projection.
Pessimism.
Refer from Philosophy.
Petrifaction. *See* Paleontology.
Petrography. *See* Rocks.
Petroleum.
Refer from Fuel; Geology; Oil.
Petrology. *See* Rocks.
Phanerogams. *See also* Botany, and references under that heading.
Refer from Botany.
Phantoms. *See* Apparitions.
Pharmacy. *See also* Apothecaries; Drugs; Homeopathy; Materia medica; Prescriptions.
Refer from Apothecaries; Chemistry; Drugs; Materia medica; Medicine; Prescriptions; Therapeutics.

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Philanthropists.
Refer from Biography; Philanthropy.
Philanthropy. *See* Charities; Charity; Philanthropists.
Philology. *See* Language.
Philosophers.
Refer from Biography.
Philosophical instruments. *See also* Air pump; Astronomical instruments; Optical instruments.
Refer from Instruments.
Philosophical societies. *See* names of societies.
Philosophy. *See also* Aesthetics; Agnosticism; Atheism; Axioms; Being; Belief; Biology; Brain; Certainty; Chance; Christianity; Consciousness; Creation; Deism; Emotions; Epicureans; Eternity; Ethics; Evidence; Evolution; Fate; Force; Future life; Genius; God; Habit; History, philosophy of; Idealism; Imagination; Infinite; Insanity; Instinct; Intellect; Knowledge; Liberty; Logic; Man; Materialism; Matter; Memory; Mind and body; Mysticism; Natural religion; Nature; Necessity; Nihilism; Pantheism; Passions; Pessimism; Physics; Platonists; Positivism; Psychology; Rationalism; Realism; Reason; Religion; Religion and science; Scholastic philosophy; Science; Senses; Skepticism; Soul; Space; Spiritualism; Stoics; Supernatural; Theism; Theology; Time; Transcendentalism; Trinity; Truth; Universe; Utilitarianism; Will.
Refer from Ethics; Knowledge; Life; Mental philosophy; Metaphysics; Ontology; Psychology; Reason; Religion; Science; Theology; Thinking; Thought.
Philosophy, natural. *See* Physics.
Philosophy of history. *See* History, philosophy of.
Phonetics. *See also* Alphabet; Pronunciation; Spelling.
Refer from Language; Orthoepy; Phonology; Pronunciation; Sound.
Phonograph.
Refer from Electricity; Sound.
Phonography. *See* Shorthand.
Phonology. *See* Phonetics.
Phosphates.
Refer from Chemistry; Fertilizers; Manures.

Phosphorescence.
Refer from Botany; Light; Ocean; Zoology.

Photo-engraving, etc. *See also* Heliotypes.
Refer from Engraving; Heliotypes; Illustration of books; Photography; Process work.

Photography. *See also* Astronomical photography; Camera; Composite photography; Daguerreotype; Heliotypes; Photo-engraving, etc.; Photomicrography.
Refer from Arts, fine; Arts, useful; Camera; Chemistry; Daguerreotype; Light.

Photomicrography.
Refer from Microphotography; Microscope; Photography.

Phrase-books. *See* names of languages.

Phrenology. *See also* Physiognomy.
Refer from Brain; Character; Head; Man; Physiognomy; Physiology; Psychology.

Physical culture. *See* Physical education.

Physical education. *See also* Exercise; Gymnastics; Running; Sports; Training; Walking.
Refer from Athletics; Education; Exercise; Gymnastics; Hygiene; Manly exercise; Physical culture; Physical training; Recreation; Sports; Training.

Physical geography. *See also* Beaches; Caves; Climate; Deserts; Earth; Earthquakes; Erosion; Geography; Geology; Geysers; Glaciers; Ice; Islands; Lakes; Meteorology; Moraines; Mountains; Nature; Ocean; Peat; Ponds; Rivers; Seashore; Springs; Tides; Tropics; Valleys; Volcanoes; Water; Waterfalls; Waterspouts; Waves.
Refer from Earth; Geography; Geology; Meteorology; Mountains; Natural history; Ocean; Physics; Physiography; Science; Water.

Physical training. *See* Physical education.

Physicians. *See also* Surgeons.
Refer from Biography; Doctors; Medicine.

Physics. *See also* Air; Astronomy; Atoms; Barometer; Chemistry; Electricity; Fluids; Force; Friction; Gases; Gravitation; Heat; Hydraulic engineering; Light; Liquids; Magnetism; Matter; Mechanics; Meteorology; Molecules;

Photometry

Motion; Motors; Pendulum; Physical geography; Radiation; Solids; Sound; Statics; Steam; Thermometer; Units; Water.

Refer from Atoms; Chemistry; Experiments; Gravitation; Mathematics; Matter; Mechanics; Molecules; Natural history; Natural philosophy; Natural science; Philosophy; Philosophy, natural; Science.

Physiognomy. *See also* Phrenology.

Refer from Character; Expression; Face; Head; Man; Phrenology; Physiology; Psychology.

Physiography. *See* Geology; Physical geography.

Physiology. *See also* Anatomy; Animal magnetism; Biology; Blood; Brain; Breathing; Color of man; Deformities; Degeneration; Digestion; Embryology; Heredity; Hygiene; Longevity; Man; Medicine; Mind and body; Monsters; Morphology; Nervous system; Pathology; Phrenology; Physiognomy; Protoplasm; Senses; Sex; Sleep; Voice; Woman, *Diseases.*

Refer from Anatomy; Biology; Body, human; Human body; Hygiene; Man; Medicine; Zoology.

Pianists.

Refer from Musicians; Pianoforte.

Pianoforte. *See also* Pianists.

Refer from Musical instruments.

Pictures. *See* Art galleries; Drawings; Engravings; Etchings; Heliotypes; Paintings; Portraits.

Picturesque. *See also* Aesthetics; Landscape.

Refer from Aesthetics.

Pig. *See* Hog.

Pigeons.

Refer from Birds; Domestic animals.

Pigments. *See* Color; Dyeing; Paint.

Pigmies. *See* Dwarfs.

Pilgrim fathers. *See also* Massachusetts; Plymouth.

Refer from Biography; Christian Biography.

Pilgrimage.

Refer from Catholic church; Penance; Travel.

Pillory.

Refer from Punishment.

Piracy. *See* Pirates.

Pilgrim Fathers

Pirates. *See also* Buccaneers.
Refer from Buccaneers; Criminal law; Naval history; Navigation; Piracy.
Pisciculture. *See* Fish culture.
Pistol.
Refer from Arms and armor; Fire arms.
Plague. *See also* Epidemics.
Refer from Contagion; Epidemics; Pathology.
Planets. *See also* Asteroids; Astrology; Astronomy; Earth; Moon; Plurality of worlds; Solar system; Transits.
Refer from Astronomy; Solar system; Stars.
Planting. *See* Agriculture; Forestry; Gardening; Landscape gardening.
Plants. *See* Agriculture; Botany; Floriculture; Flowers; Gardening.
Plastering.
Refer from Masonry; Wall decoration.
Plate. *See also* Goldsmithing; Silversmithing.
Refer from Goldsmithing; Jewelry; Metal-work; Silver; Silversmithing.
Plating. *See also* Electroplating; Gilding.
Refer from Metal-work; Silverplating.
Platonists.
Refer from Philosophy.
Players. *See* Actors; Actresses.
Playing cards. *See* Cards.
Playright. *See* Copyright.
Plays. *See* Drama; Games; Sports.
Pleading. *See also* Actions at law; Forms; Law; Trials.
Refer from Actions at law; Forms (in law); Law; Trials.
Pleasure. *See also* Contentment; Happiness; Pain.
Refer from Emotions; Ethics; Happiness; Pain; Psychology.
Plumbing. *See also* Sanitary engineering; Soldering.
Refer from Architecture; Arts, useful; Lead; Sanitary engineering; Water supply.
Plurality of worlds.
Refer from Astronomy; Planets; Theology; Universe; Worlds, plurality of.
Pneumatics. *See* Gases.
Pneumonia. *See also* Lungs.
Refer from Chest; Lungs; Pathology.
Poaching. *See also* Game laws.
Refer from Game laws; Sports.
Poetry. *See also* Ballads; Bards; Drama;

Plankton

Elegiac poetry; Epic poetry; Epigrams; Hymns; Literature; Lyric poetry; Metre; Minnesingers; Odes; Parodies; Pastoral poetry; Poets; Prosody; Quotations; Readers; Religious poetry; Rhyme; Satire; Songs; Sonnets; Troubadours; Trouvères; Versification; War poetry; Wit and humor.

Refer from Ballads; Literature; Metre; Prosody; Readers; Rhetoric; Romances; Versification.

Poets. *See also* Dramatists; Minnesingers; Minstrels; Troubadours; Trouvères.

Refer from Authors; Biography; Poetry.

Poisons. *See also* Medical jurisprudence.

Refer from Accidents; Chemistry; Materia medica; Medical jurisprudence; Medicine; Murder; Therapeutics; Toxicology.

Polar regions. *See* Antarctic; Arctic; North pole.

Polariscope.

Refer from Light; Optical instruments.

Police. *See also* Constables; Crime; Detectives; Prisons.

Refer from Crime; Detectives; Law; Political science; Prisons; Town officers.

Politeness. *See* Etiquette.

Political economy. *See also* Apprentices; Banks; Capital; Charities; Commerce; Communism; Competition; Cooperation; Corn laws; Cost; Credit; Debts; Demand and supply; Exchange; Factory system; Finance; Gilds; Interest; Investments; Labor; Land; Manufactures; Money; Monopolies; Panics; Poor; Population; Precious metals; Prices; Profit-sharing; Property; Rent; Socialism; Speculation; Statistics; Stock exchange; Stocks; Strikes; Tariff; Taxation; Trade unions; Trusts; Value; Wages; Wealth.

Refer from Business; Commerce; Economics; Labor; Political science; Prices; Science; Social science; Socialism; Sociology; Tariff; Taxation; Wealth.

Political parties. *See* Parties.

Political science. *See also* Anarchy; Ballot; Caucus; Church and state; Cities; Citizenship; Civil rights; Civil service; Civilization; Colonies; Communism; Crime; Democracy; Despotism; Diplomacy; Election; Executive power; Federal government; Feudalism; Finance;

Free institutions; Immigration; Imperial federation; Law; Legislation; Liberty; Local government; Magistrates; Minorities; Monarchy; Nihilism; Nullification; Oaths; Parties; Patriotism; Police; Political economy; Prisons; Property; Punishment; Rebellion; Reciprocity; Referendum; Religious liberty; Representation; Republics; Revolutions; Riots; Secession; Serfdom; Slavery; Socialism; Sociology; State rights; Statesmen; Statistics; Suffrage; Taxation; Town meetings; Town officers; Towns; Treaties; Tyranny; Veto; Village communities; Villages.

Refer from Administration; Civil government; Democracy; Ethics; Government; History; Legislation; Republics; Science; Social science; Sociology; State, the; Statesmanship.

Polygamy. *See also* Marriage; Mohammedanism; Mormonism.

Refer from Marriage.

Polytheism. *See also* Religions.

Refer from God; Religions.

Polyzoa

Pomology. *See* Fruit.

Ponds. *See also* Lakes.

Refer from Lakes; Physical geography; Water.

Poor. *See also* Almshouses; Begging; Charities; Friendly societies; Labor; Pensions; Poor laws; Tenement houses; Tramps.

Refer from Almsgiving; Almshouses; Begging; Benevolence; Charities; Dangerous classes; Ethics; Labor; Pauperism; People; Political economy; Poverty; Sociology; Tenement houses; Vagrancy.

Poor laws.

Refer from Law; Poor; Vagrancy.

Poorhouses. *See* Almshouses.

Popes. *See also* Apostolic succession; Catholic church; Infallibility; Vatican council.

Refer from Apostolic succession; Catholic church; Christian biography; Church history; Church polity; Infallibility; Papacy; Rulers; Temporal power; Ultramontanism; Vatican; Vatican council.

Population. *See also* Census; Statistics.

Refer from Political economy; Sociology; Statistics; Vital statistics.
Porcelain. *See* Pottery.
Portrait painting. *See also* Miniature painting.
Refer from Painting.
Portraits.
Refer from Arts, fine; Biography; Paintings; Pictures.
Ports. *See* Harbors.
Positivism.
Refer from Agnosticism; Philosophy; Religion; Religion of humanity.
Posology. *See* Prescriptions.
Possession (in law).
Refer from Law.
Post-mortem examinations. *See* Autopsy.
Post office. *See also* Postage stamps.
Refer from Mail.
Postage stamps.
Refer from Post office; Stamps.
Potential. *See* Electric potential.
Pottery. *See also* Bric-a-brac; China painting; Majolica; Terracotta; Tiles, Urns; Vases.
Refer from Archaeology; Arts, fine; Arts, useful; Bric-a-brac; Ceramics; China; China painting; Decoration and ornament; Faience; Fayence; Keramics; Majolica; Manufactures; Porcelain; Terracotta; Tiles; Vases.
Poultry. *See also* Eggs.
Refer from Agriculture; Birds; Chickens; Domestic animals; Eggs; Fowl; Hens; Incubation; Live stock.
Poverty. *See* Poor.
Powder. *See* Gunpowder.
Power. *See also* Force; Machinery; Mechanics; Motors.
Refer from Mechanics.
Powers (law).
Refer from Law.
Prayer. *See also* Lord's prayer; Prayer meetings; Prayers; Responsive worship; Ritualism; Worship.
Refer from Christian life; Devotion; Family prayer; Religion; Theology; Worship.
Prayer meetings.
Refer from Prayer; Revivals.
Prayers. *See also* Devotional exercises; Litanies; Liturgies; Lord's prayer; Rosary.
Refer from Devotional exercises; Family

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prayer; Liturgies; Prayer; Rites and ceremonies; Worship.

Preachers. *See also* Clergy; Ministers (of the gospel).
Refer from Christian biography; Clergy; Ministers (of the gospel); Preaching.

Preaching. *See also* Preachers; Sermons.
Refer from Church polity; Clergy; Elocution; Homiletics; Ministers (of the gospel); Oratory; Pastors; Rhetoric; Sermons; Speaking.

Precious metals. *See also* Gold; Money; Silver.
Refer from Gold; Metals; Political economy; Silver.

Precious stones. *See also* Diamonds; Gems; Jewelry; Pearls.
Refer from Diamonds; Gems; Jewelry; Mineralogy; Stone.

Predestination. *See also* Arminianism; Calvinism; Liberty of the will; Salvation.
Refer from Calvinism; Election (in theology); Liberty of the will; Necessity; Salvation; Sin; Theology.

Predictions. *See* Prophecies.

Pre-existence. *See also* Soul; Transmigration.
Refer from Reincarnation; Soul; Transmigration.

Pre-historic archaeology. *See* Archaeology.

Presages. *See* Omens.

Presbyterianism. *See also* Calvinism; Church of Scotland; Covenanters.
Refer from Calvinism; Church of Scotland; Church polity; Congregationalism; Dissenters; Puritans; Sects.

Prescriptions. *See also* Pharmacy.
Refer from Pharmacy; Posology.

Preserving. *See also* Cookery.
Refer from Cookery; Fruit.

Presidential government. *See* Democracy; Republics.

Presidents. *See also* Executive power; U. S., *President;* Veto.
Refer from Biography; Executive power; Rulers.

Press. *See* Journalism; Liberty of the press; Newspapers; Periodicals.

Prestidigitation. *See* Conjuring.

Prices. *See also* Political economy; Value; Wages.
Refer from Commerce; Cost; Finance; Manufactures; Money; Political economy; Value.

Priesthood. *See* Priests.

Priests. *See also* Catholic church; Celibacy; Clergy; Curates; Ministers; Ordination.
Refer from Catholic church; Church of England; Church polity; Clergy; Ministers (of the gospel); Priesthood; Protestant episcopal church in the U. S.

Prime ministers.
Refer from Biography; Ministers (of state).

Primers. *See also* Readers.
Refer from Readers; Spellers; Textbooks.

Primogeniture.
Refer from Descent; Inheritance; Law.

Princes. *See* Monarchy.

Principal and agent. *See also* Contracts.
Refer from Commercial law; Contracts; Law.

Printing. *See also* Block books; Calico-printing; Electrotyping; Ink; Paper; Proof-reading; Stereotyping.
Refer from Alphabet; Arts, useful; Block books; Books; Bookselling; Composition; Incunabula; Literature; Publishing; Stereotyping; Type; Typography.

Prints. *See* Engravings.

Prisons. *See also* Crime; Police; Punishment; Reformatories.
Refer from Crime; Criminal law; Imprisonment; Jails; Penitentiaries; Police; Political science; Public institutions; Punishment; Reform; Reformatories; Sociology.

Private judgment. *See also* Liberty of conscience; Religious liberty.
Refer from Liberty of conscience; Theology.

Private schools.
Refer from Schools.

Private theatricals. *See* Amateur theatricals.

Privateering. *See also* Prizes.
Refer from International law; Letters of marque; Naval art and science; Naval history; Prizes.

Prizes. *See also* Privateering.
Refer from International law; Maritime law; Privateering.

Probabilities. *See also* Annuities; Insurance; Logic.
Refer from Betting; Chance; Errors; Gambling; Logic; Lotteries; Mathematics.

Princeton University

Probate. *See* Wills.
Probation. *See* Future life; Purgatory.
Procedure. *See* Actions at law.
Process work. *See* Photo-engraving, etc.
Processions. *See also* Pageants.
Refer from Festivals; Pageants.
Profanity. *See* Swearing.
Profit-sharing. *See also* Communism; Co-operation; Labor.
Refer from Commerce; Cooperation; Labor; Political economy; Wages.
Progress. *See also* Civilization; Reform.
Refer from Ethics; Sociology.
Prohibited books. *See also* Liberty of the press.
Refer from Books; Censorship of the press; Condemned books; Liberty of the press.
Prohibition. *See* Temperance.
Projectiles. *See also* Fire arms; Gunnery; Ordnance.
Refer from Ammunition; Artillery; Fire arms; Gunnery; Military art and science; Ordnance; Shells.
Projecting. *See* Magic lantern.
Projection. *See also* Geometrical drawing; Perspective.
Refer from Drawing; Geometrical drawing; Mechanical drawing; Orthographic projection; Perspective.
Pronunciation. *See also* Phonetics.
Refer from Elocution; Language; Orthoepy; Phonetics; Words.
Proof. *See* Evidence; Logic.
Proof-reading.
Refer from Printing.
Proper names. *See* Names.
Property. *See also* Administrators and executors; Church property; Communism; Confiscation; Conveyancing; Copyright; Damages; Inheritance; Insurance; Land; Liens; Mortgages; Personal property; Real property; Rent; Sale; Socialism; Taxation; Titles; Trespass; Wealth; Wills.
Refer from Chattels; Law; Personal property; Political economy; Political science; Real property; Sociology.
Prophecies. *See also* Bible; Divination; Fortune-telling; Jesus; Oracles; Second advent.
Refer from Bible; Divination; Predictions; Prophets; Second advent; Theology.

Prophets. *See also* Bible; Prophecies.
Refer from Bible; Biography; Jews.
Prose. *See also* Literature; Rhetoric; and the references under these heads.
Refer from Literature.
Prosody. *See also* Accent; Metre; Poetry; Rhyme; Versification.
Refer from Accent; Grammar; Language; Metre; Poetry; Rhyme; Versification.
Prostitution.
Refer from Criminal law; Law; Woman; Woman, *Law.*
Protection. *See* Tariff.
Protestant churches. *See* Protestantism.
Protestant episcopal church in the U. S. *See also* Apostles' creed; Apostolic succession; Bishops; Church of England; Church polity; Confirmation; Episcopacy; Fasts and feasts; Lord's supper; Priests; Ritualism; Sacraments; Sisterhoods.
Refer from Church of England; Episcopacy; Episcopal church; Sects.
Protestantism. *See also* Catholic church; Reformation; Sects.
Refer from Catholic church; Christianity; Church history; Protestant churches; Reformation; Theology.
Protoplasm. *See also* Biology; Cells; Embryology.
Refer from Biology; Cells; Physiology.
Proverbs. *See also* Epigrams; Maxims; Quotations.
Refer from Adages; Aphorisms; Apothegms; Epigrams; Literature; Maxims; Quotations; Sayings.
Pruning.
Refer from Forestry; Fruit; Trees.
Psalmody. *See* Bible; Church music; Hymns.
Pseudonyms. *See also* Nicknames.
Refer from Authors; Bibliography; Fictitious names; Names (personal); Nicknames; Noms de plume; Sobriquets; Soubriquets.
Psychology. *See also* Aesthetics; Animal magnetism; Apparitions; Belief; Biology; Brain; Character; Color-sense; Consciousness; Dreams; Education; Emotions; Ethics; Future life; Genius; Heredity; Hypnotism; Illusions; Imagination; Insanity; Instinct; Intellect; Knowledge; Liberty of the will; Logic; Memory; Mind and body; Mind read-

ing; Pain; Passions; Philosophy; Phrenology; Physiognomy; Pleasure; Reason; Senses; Sleep; Somnambulism; Soul; Will.

Refer from Brain; Education; Emotions; Human faculties; Intellect; Man; Mental philosophy; Metaphysics; Mind; Mind and body; Philosophy; Science; Soul; Thinking; Thought; Understanding; Will.

Public health. *See* Hygiene, public.

Public institutions. *See* Charities; Prisons; Public schools.

Public libraries. *See* Libraries.

Public schools. *See also* Bible in the schools; Education.

Refer from Common schools; Education; Free schools; Public institutions; Schools.

Publishers. *See* Booksellers.

Publishing. *See* Bookselling; Copyright; Printing.

Pueblos. *See also* Cliff dwellings.

Refer from Indians of North America.

Pugilism. *See* Boxing.

Pulpits.

Refer from Church furniture.

Pumps. *See also* Air pump.

Refer from Engines; Hydraulic engineering; Machinery; Water supply.

Punctuation.

Refer from Language; Rhetoric.

Punishment. *See also* Capital punishment; Corporal punishment; Crime; Criminal law; Crucifixion; Flogging; Future punishment; Guillotine; Hanging; Pillory; Prisons; Torture; Transportation (of criminals).

Refer from Crime; Criminal law; Law; Manners and customs; Political Science; Prisons; Sociology; Torture.

Purgatives.

Refer from Materia medica; Therapeutics.

Purgatory. *See also* Indulgences; Future life; Future punishment.

Refer from Catholic church; Death; Future life; Future punishment; Intermediate state; Probation; Retribution; Theology.

Puritans. *See also* Church of England; Congregationalism; Dissenters; Friends; Nonconformists; Nonjurors; Presbyterianism.

Pterylography

Refer from Christian biography; Church of England; Congregationalism; Dissenters; Nonconformists.

Pus. *See* Suppuration.

Puseyism. *See* Oxford movement; Pusey, E. B.

Putrefaction. *See also* Contagion; Disinfection.

Refer from Contagion.

Puzzles. *See also* Acrostics; Charades; Enigmas; Riddles.

Refer from Amusements; Riddles.

Pygmies. *See* Dwarfs.

Pyramids.

Refer from Archaeology; Architecture; Monuments.

Pyrotechnics. *See* Fire-works.

Quacks and quackery. *See also* Imposture.

Refer from Imposture; Medicine.

Quadrupeds. *See also* Domestic animals; Mammals; Zoology.

Refer from Mammals; Zoology.

Quakers. *See* Friends, society of.

Qualitative analysis. *See* Chemistry.

Quantitative analysis. *See* Chemistry.

Quantics

Quarantine.

Refer from Contagion; Hygiene, public; Naval hygiene.

Quarrying. *See also* Blasting; Mines and mining.

Refer from Blasting; Stone.

Quaternions.

Refer from Geometry; Mathematics.

Queens. *See also* Monarchy.

Refer from Biography; Monarchy; Rulers; Sovereigns; Woman.

Quicksilver. *See* Mercury.

Quotations. *See also* Epigrams; Maxims; Proverbs.

Refer from Aphorisms; Apothegms; Epigrams; Literature; Maxims; Poetry; Proverbs; Sayings.

Races of man. *See* Ethnology.

Racing. *See* Horse-racing; Rowing, *etc.*

Radiation. *See also* Heat; Light; Sound.

Refer from Heat; Light; Physics; Sound.

Radiolaria

Ragged schools.

Refer from Charity schools; Education; Schools.

Railroads. *See also* Bridges; Cars; Earthwork; Electric railroads; Engineering; Horse railroads; Locomotive engines; Steam engine; Street railroads; Subways; Surveying; Tunnels.

Refer from Carriers; Commerce; Engineering; Locomotion; Locomotive engines; Machinery; Roads; Steam engine; Surveying; Transportation.

Rain. *See also* Meteorology.
Refer from Meteorology; Water.

Rainbow.
Refer from Light; Meteorology.

Rationalism. *See also* Free religion; Free thought; Reason; Transcendentalism.
Refer from Free religion; Free thought; Materialism; Philosophy; Reason (in religion); Religion; Skepticism; Theology.

Readers. *See also* Dialogues; Orations; Poetry; Primers.
Refer from Declamation; Dialogues; Elocution; Literature; Poetry; Primers; Reading; Recitations; Speakers; Spellers; Text-books.

Reading. *See also* Bibliography; Books; Children's literature; Elocution; Libraries; Literature; Readers; Self-culture.
Refer from Bibliography; Books; Education; Libraries; Literature; Oratory; Self-culture.

Real presence. *See* Lord's supper; Transubstantiation.

Real property. *See also* Conveyancing; Deeds; Easements; Land; Landlord and Tenant; Mortgages; Property; Sale; Taxation; Titles.
Refer from Conveyancing; Land; Law; Property; Titles.

Realism. *See also* Idealism.
Refer from Idealism; Philosophy; Scholastic philosophy.

Reason. *See also* Instinct; Logic; Philosophy.
Refer from Intellect; Philosophy; Psychology; Rationalism.

Reason (in religion). *See* Rationalism.

Rebellion. *See also* Revolutions; *also* names of countries in which rebellions have taken place, as U. S., *History*, *Civil war*, England, Scotland, *etc.*
Refer from Political science; Revolutions.

Receipts. *See also* Cookery.
Refer from Arts, useful; Chemistry; Domestic economy; Manufactures.

Receivers.
Refer from Bankruptcy; Corporations; Law.

Reciprocity.
Refer from Political science; Tariff.

Recitations. *See* Readers.
Recreation. *See* Amusements; Games; Gymnastics; Physical education; Sports, *etc.*
Rectors. *See* Clergy; Ministers.
Redemption. *See* Salvation.
Referendum.
Refer from Democracy; Political science.
Reform. *See also* Charities; Civil service; England, *House of commons;* Prisons; and other subjects of reform.
Refer from Progress.
Reform schools. *See* Reformatories.
Reformation. *See also* Catholic church; Church history; Huguenots; Hussites; Protestantism; Waldenses; *also* names of countries and churches.
Refer from Catholic church; Church history; Church of Scotland; History, modern; Protestantism; Reformers.
Reformatories. *See also* Prisons.
Refer from Crime; Education; Prisons; Reform schools.
Reformers. *See also* Reformation.
Refer from Biography; Christian biography.
Regalia. *See also* Church vestments; Costume; Crowns.
Refer from Costume.
Regattas. *See* Rowing; Sailing.
Regeneration. *See also* Baptism; Conversion; Salvation.
Refer from Baptism; Conversion; Salvation; Theology.
Registers [not annual]. *See also* Almanacs; Year books [for annual registers]; *also* names of places, religious denominations, *etc.*
Reincarnation. *See* Preexistence; Transmigration.
Relics. *See also* Miracles; Shrines.
Refer from Church antiquities; Miracles; Shrines; Superstition.
Religion. [Including comparative theology and history of religion. For the Christian doctrines *see* Theology. For evidences *see* Christianity.] *See also* Allegories; Atheism; Belief; Bible; Christian biography; Christian life; Christianity; Church history; Church polity; Conscience; Consolation; Deism; Devotional exercises; Ethics; Evil; Faith; Fanaticism; Fasts and feasts; Free religion; Future life; God; Hymns;

Reims or Rheims

Idolatry; Jesus Christ; Miracles; Missions; Monasticism; Mysteries; Mysticism; Mythology; Natural religion; Oracles; Pantheism; Philosophy; Positivism; Prayer; Rationalism; Religion and science; Religions; Religious education; Religious liberty; Religious poetry; Revelation; Revivals; Ritualism; Sacraments; Sacrifice; Saints; Sects; Sermons; Serpent worship; Sin; Skepticism; Sunday; Supernatural; Superstition; Symbolism; Theism; Theosophy; Worship.

Refer from Christianity; Ethics; Faith; God; Man; Natural religion; Philosophy; Revelation; Sociology; Supernatural; Theology.

Religion and science. *See also* Creation; Evolution; Natural religion.

Refer from Bible; Creation; Evolution; Natural religion; Philosophy; Religion; Science; Science and religion.

Religion of humanity. *See* Positivism.

Religions. *See also* Aryans; Brahmanism; Buddhism; Christianity; Confucianism; Dervishes; Essenes; Hinduism; Idolatry; Indians; Jews; Mohammedanism; Mormonism; Mythology; Parsees; Polytheism; Rosicrucians; Sects; Serpent worship; Spiritualism; Taouism; Theosophy.

Refer from Belief; Mythology; Polytheism; Religion; Superstition.

Religious art. *See* Christian art; Church architecture; Temples.

Religious biography. *See* Christian biography.

Religious ceremonies. *See* Rites and ceremonies.

Religious education. *See also* Bible classes. Bible in the schools; Sunday schools; Theological education.

Refer from Christian education; Christian life; Education; Religion; Sunday schools; Theological education.

Religious festivals. *See* Fasts and feasts; Festivals.

Religious history. *See* Church history.

Religious liberty. *See also* Church and state; Free religion; Free thought; Liberty; Liberty of conscience; Persecution.

Refer from Catholic church; Church history; Church polity; Free thought; In-

tolerance; Liberty; Liberty of conscience; Persecution; Political science; Private judgment; Religion; Toleration.

Religious orders. *See* Brotherhoods; Chivalry; Jesuits; Monasticism; Sisterhoods.

Religious poetry. *See also* Hymns.
Refer from Hymns; Poetry; Religion; Sacred poetry.

Religious services. *See* Liturgies; Worship.

Remedies (in medicine). *See* Therapeutics.

Renaissance. *See also* France; Italy; Middle ages.
Refer from Arts, fine; History, modern; Literature; Middle ages; Revival of letters.

Rent. *See also* Land; Landlord and tenant.
Refer from Land; Landlord and tenant; Law; Political economy; Property.

Repentance. *See also* Confession; Conversion; Penance.
Refer from Conversion; Ethics; Penance; Penitence; Sin; Theology.

Reporting. *See also* Journalism; Shorthand.
Refer from Journalism.

Representation. *See also* Boroughs; Minorities; Suffrage.
Refer from Boroughs; Democracy; Election (in politics); Free institutions; Political science; Republics; Suffrage; Voting.

Reptiles. *See also* Batrachia; Serpents.
Refer from Herpetology; Serpents; Snakes; Vertebrates; Zoology.

Republics. *See also* Democracy; Federal government; Political science; Representation; *also* names of republics.
Refer from Democracy; Federal government; Free institutions; Political science; Presidential government.

Repudiation. *See also* Debts.
Refer from Debts; Finance; Loans.

Reservoirs. *See also* Water supply.
Refer from Water supply.

Respiration. *See* Breathing.

Responsive worship. *See also* Liturgies; Ritualism.
Refer from Devotional exercises; Liturgies; Prayer; Worship.

Rest.
Refer from Hygiene; Therapeutics.

Resurrection. *See also* Future life; Jesus Christ.

Refer from Death; Future life; Theology.
Retribution. *See* Future life; Future punishment; Heaven; Hell; Purgatory.
Revelation. *See also* Bible; Christianity; Religion; Theology.
Refer from Bible; Religion; Theology.
Revenue. *See* Finance; Tariff; Taxation.
Revival of letters. *See* Renaissance.
Revivals. *See also* Camp meetings; Conversion; Prayer meetings.
Refer from Christian life; Church history; Conversion; Missions; Religion; Theology.
Revolutions. *See also* Rebellion; *also* names of countries.
Refer from History; Political science; Rebellion.
Rhetoric. *See also* Aesthetics; Allegory; Conversation; Criticism; Drama; Elocution; Eloquence; Letter-writing; Metaphor; Oratory; Poetry; Preaching; Punctuation; Satire; Translation.
Refer from Composition; Criticism; Elocution; Expression; Language; Letter-writing; Literature; Metaphor; Oratory; Prose; Speaking; Style; Words; Writing.
Rheumatism.
Refer from Pathology.
Rhyme. *See also* Prosody.
Refer from Poetry; Prosody; Versification.
Riches. *See* Wealth.
Riddles. *See also* Charades; Enigmas; Puzzles.
Refer from Amusements; Charades; Conundrums; Enigmas; Literature; Puzzles.
Riding. *See* Coaching; Driving; Horsemanship.
Rifle. *See also* Fire arms; Gun; Shooting.
Refer from Arms and armor; Fire arms; Gun; Shooting.
Right and wrong. *See* Ethics.
Rights of women. *See* Woman.
Rings. *See also* Jewelry.
Refer from Finger rings; Jewelry.
Riots.
Refer from History; Mobs; Political science.
Rites and ceremonies. *See also* Baptism; Burial service; Canonization; Church antiquities; Church dedication; Confirmation; Coronations; Fasts and feasts;

Rigomagus

Funerals; Hymns; Liturgies; Marriage; Mass; Ordination; Prayers; Ritualism; Sacraments; Worship.

Refer from Ceremonies; Christian art and symbolism; Church antiquities; Church ceremonies; Church polity; Ecclesiastical ceremonies; Liturgies; Manners and customs; Religious ceremonies; Ritualism; Worship.

Ritualism. *See also* Catholic church; Church of England; Rites and ceremonies; Worship.

Refer from Church of England; Church polity; Liturgies; Prayer; Protestant episcopal church in the U. S.; Religion; Responsive worship; Rites and ceremonies; Worship.

Rivers. *See also* Embankments; Erosion; Floods; Hydraulic engineering; Valleys.

Refer from Hydraulic engineering; Inland navigation; Physical geography; Valleys; Water.

Roads. *See also* Pavements; Railroads; Street cleaning; Street railroads.

Refer from Engineering; Highways; Locomotion; Pavements; Streets.

Robbers. *See also* Brigands.

Refer from Brigands; Crime; Thieves; Vagabonds.

Rocks. *See also* Geology; Mineralogy; Stone.

Refer from Geology; Lithology; Mineralogy; Petrography; Petrology; Stone.

Rod, the. *See* Corporal punishment; Flogging.

Roman Catholic church. *See* Catholic church.

Roman law. *See* Civil law.

Romance. *See* Fiction; Romances.

Romances. *See also* Fiction; Legends; Poetry.

Refer from Fiction; Legends; Literature; Romance; Stories.

Romanism. *See* Catholic church.

Romanticism.

Refer from Literature.

Roofs. *See also* Arches; Domes; Girders; Trusses; Vaulting.

Refer from Architecture; Girders; Strength of materials; Trusses.

Rope. *See also* Cables; Hemp; Knots; Wire.

Refer from Cables; Hemp; Manufactures.

Röntgen Rays

Rosary.
Refer from Beads; Catholic church; Prayers.
Rosicrucians.
Refer from Mysticism; Religions; Secret societies.
Rowing. *See also* Boating.
Refer from Boating; Locomotion; Navigation; Racing; Regattas; Sports.
Royalty. *See* Monarchy.
Rubber. *See* India rubber.
Ruins. *See* Archaeology.
Rulers. *See* Emperors; Kings; Monarchy; Popes; Presidents; Queens.
Rules of order. *See* Parliamentary practice.
Running. *See also* Walking.
Refer from Animal locomotion; Locomotion; Physical education; Sports; Walking.
Rural architecture. *See* Architecture; Cottages; Landscape gardening.
Rural economy. *See* Agriculture.
Rural life. *See* Country life; Outdoor life.
Rural poetry. *See* Pastoral poetry.
Russian church. *See* Greek church.
Russo-Turkish war. *See also* Russia; Turkey.
Sabbath. *See* Sunday.
Sacraments. *See also* Baptism; Confirmation; Lord's supper; Marriage; Ordination; Penance.
Refer from Baptism; Church of England; Church polity; Lord's supper; Protestant episcopal church in the U. S.; Religion; Rites and ceremonies; Theology; Worship.
Sacred art. *See* Christian art.
Sacred history. *See* Bible; Church history.
Sacred music. *See* Church music.
Sacred poetry. *See* Hymns; Religious poetry.
Sacrifice. *See also* Atonement.
Refer from Religion; Theology; Worship.
Saddlery. *See* Harness.
Sagas. *See also* Folklore; Scandinavian literature [and its subdivisions].
Refer from Folklore; Literature; Mythology.
Sailing. *See also* Boating; Canoeing; Navigation; Yachting.
Refer from Boating; Navigation; Regattas; Ships; Sports; Yachting.
Sailors. *See also* Naval biography.
Refer from Naval biography; Navigation; Seamen; Ships.

Sails.
Refer from Ships.

Saints. *See also* Canonization; Christian art and symbolism; Fathers of the church.
Refer from Bible; Biography; Canonization; Catholic church; Christian art and symbolism; Christian biography; Fathers of the church; Heroes; Iconography; Legends; Martyrs; Miracles; Religion.

Salads. *See also* Cookery.
Refer from Cookery.

Sale. *See also* Auctions; Commercial law; Conveyancing; Titles.
Refer from Commercial law; Contracts; Law; Personal property; Property; Real property; Titles; Vendors.

Salesmen, traveling. *See* Commercial travelers.

Salvation. *See also* Conversion; Future life; Predestination; Regeneration; Soul; Universalism.
Refer from Future life; Jesus Christ; Man; Predestination; Redemption; Regeneration; Sin; Theology.

Sanctuary. *See* Asylum, right of.

Sanitary engineering. *See also* Heating; Plumbing; Sewerage; Street cleaning; Ventilation; Water supply.
Refer from Architecture; Engineering; Hygiene, public; Plumbing; Sanitary science; Sewerage.

Sanitary science. *See* Hygiene; Sanitary engineering.

Satan. *See* Devil.

Satire. *See also* Caricature; Wit and humor.
Refer from Caricature; Comic literature; Lampoons; Literature; Poetry; Rhetoric; Wit and humor.

Savings banks. *See also* Building associations.
Refer from Banks and banking.

Sayings. *See* Epigrams; Maxims; Proverbs; Quotations; Table talk.

Scalds. *See* Burns and scalds.

Scarlatina. *See also* Scarlet fever.
Refer from Children, *Diseases;* Pathology; Scarlet fever.

Scarlet fever. *See also* Scarlatina.
Refer from Children, *Diseases;* Contagion; Fever; Pathology; Scarlatina.

Scepticism. *See* Skepticism.

Saint-Francis Xavier, Colly

Saint-Omer

Salamanca, Univ. of

Salic Law

Salvation Army

Scarboro

Scholastic philosophy. *See also* Realism.
Refer from Philosophy.
School books. *See* Text-books.
School houses. *See also* School hygiene.
Refer from Architecture; Education; Schools.
School hygiene.
Refer from Education; Hygiene, public; School houses; Schools.
School music.
Refer from Education; Music; Songs.
Schoolmasters. *See* Teachers.
Schools. *See also* Academies; Charity schools; Colleges; Education; Grammar schools; Kindergarten; Normal schools; Private schools; Public schools; Ragged schools; School houses; School hygiene; Sewing schools; Sunday schools.
Refer from Education.
Science. *See also* Arts, useful; Astronomy; Biology; Botany; Chemistry; Ethics; Ethnology; Evolution; Geography; Geology; History; Instruments; Inventions; Language; Law; Logic; Man; Mathematics; Medicine; Meteorology; Microscope; Military art and science; Mineralogy; Natural history; Nature; Naval art and science; Paleontology; Philosophy; Physical geography; Physics; Political economy; Political science; Psychology; Religion and science; Scientists; Sociology; Theology; Weights and measures; Zoology.
Refer from Discoveries (in science); Knowledge; Natural history; Natural science; Nature; Philosophy.
Science and religion. *See* Religion and science.
Scientific apparatus. *See also* Instruments.
Refer from Instruments.
Scientific associations. *See* Scientific societies.
Scientific education.
Refer from Education.
Scientific men. *See* Scientists.
Scientific societies.
Refer from Scientific associations; Societies.
Scientists. *See also* Astronomers; Botanists; Electricians; Naturalists.
Refer from Authors; Biography; Naturalists; Science; Scientific men.
Scouring. *See* Cleaning; Dyeing.
Scriptures. *See* Bible.

Sculptors. *See also* Artists.
Refer from Artists; Biography; Sculpture.
Sculpture. *See also* Aesthetics; Anatomy for artists; Arts, fine; Bas-relief; Bronzes; Carving; Drawing; Ivory; Monuments; Sculptors.
Refer from Archaeology; Arts, fine; Bas-relief; Carving (wood, etc.); Decoration and ornament; Monuments; Statues; Stone-cutting.
Sea. *See* Ocean.
Sea bathing. *See* Baths and bathing.
Sea mosses. *See* Algæ.
Seal (animal).
Refer from Mammals; Marine zoology; Zoology.
Seals (numismatics).
Refer from Archaeology; Signets.
Seamanship. *See* Navigation.
Seamen. *See* Sailors.
Seashore. *See also* Algæ; Baths and bathing; Beaches; Marine zoology; Ocean.
Refer from Beaches; Marine zoology; Ocean; Physical geography; Shore.
Seasickness.
Refer from Naval hygiene; Ocean; Pathology.
Seasons. *See also* Autumn; Spring; Summer; Winter.
Refer from Astronomy; Meteorology; Months; Year.
Seaweeds. *See* Algæ.
Secession. *See also* Confederate States; State rights; U. S., *History, Civil war.*
Refer from Federal government; Political science; State rights.
Second advent. *See also* Jesus Christ; Judgment, day of; Millennium; Prophecies; Second adventists.
Refer from Advent; Jesus Christ; Millennium; Prophecies; Theology.
Second adventists.
Refer from Millerites; Second advent; Sects.
Second sight. *See also* Clairvoyance.
Refer from Animal magnetism; Divination; Occult sciences; Superstition.
Secondary batteries. *See* Storage batteries.
Secondary schools. *See* High schools.
Secret societies. *See also* Fenians; Freemasonry; Malta, knights of; Nihilism; Odd fellows; Rosicrucians; Templars.
Refer from Societies.

Sea-water.

Secret writing. *See* Cipher.
Sects. *See also* Baptists; Brownists; Catholic church; Christian union; Church of England; Congregationalism; Dissenters; Friends, society of; Huguenots; Hussites; Methodist episcopal church; Moravians; Mormonism; Nestorians; New Jerusalem; Presbyterianism; Protestant episcopal church; Second adventists; Shakers; Unitarianism; Universalism.
Refer from Belief; Christianity; Church history; Denominations; Faith; Protestantism; Religion; Religions; Theology.
Securities. *See* Bonds; Investments; Mortgages; Stocks.
Seedlings.
Refer from Botany.
Seeds.
Refer from Botany.
Seismology. *See* Earthquakes; Volcanoes.
Self-culture. *See also* Conduct of life; Conversation; Education; Etiquette; Reading.
Refer from Conduct of life; Culture; Education; Ethics; Reading; Self-education; Young men; Young women.
Self-education. *See* Self-culture.
Senate. *See* names of countries and states, as U. S.; France; Rome; Massachusetts.
Sensation. *See* Senses.
Senses. *See also* Blind; Color-sense; Deaf and dumb; Deafness; Ear; Eye; Hearing; Light; Sight; Smell; Sound; Taste; Touch.
Refer from Intellect; Philosophy; Physiology; Psychology; Sensations.
Sepoy war. *See* India, *History*.
Sepulchres. *See* Tombs.
Sepulture. *See* Burial.
Serfdom. *See also* Russia; Slavery.
Refer from Political science; Slavery.
Sermon on the Mount. *See also* Beatitudes.
Refer from Beatitudes; Bible.
Sermons. *See also* Preaching.
Refer from Homiletics; Literature; Preaching; Religion; Theology.
Serpent worship.
Refer from Animals, worship of; Religion; Religions; Serpents; Worship.
Serpents. *See also* Reptiles; Serpent worship.
Refer from Reptiles; Snakes.
Servants. *See also* Master and servant.

Selachii

Senatology

Senlis

Refer from Domestic economy; Domestics; Labor; Master and servant.
Service books. *See* Liturgies.
Sewage.
Refer from Sewerage.
Sewerage. *See also* Drainage; Sanitary engineering; Sewage.
Refer from Drainage; Sanitary engineering.
Sewing. *See* Needlework.
Sewing schools.
Refer from Needlework; Schools.
Sex.
Refer from Biology; Man; Physiology; Woman.
Shadow pantomimes.
Refer from Amateur theatricals; Pantomime.
Shadows.
Refer from Drawing; Perspective.
Shakers.
Refer from Sects; Socialism.
Sheep. *See also* Wool.
Refer from Agriculture; Domestic animals; Live stock; Wool; Worsted.
Shell-mounds.
Refer from Archaeology; Mounds.
Shells. *See* Mollusks; Projectiles.
Sheriffs.
Refer from County officers; Law.
Ship fever. *See* Typhus fever.
Shipbuilding. *See also* Armored vessels; Boating; Ships; Yachting.
Refer from Architecture, naval; Arts, useful; Marine architecture; Naval architecture; Naval art and science; Navigation; Ships; Steamboats; Steamships; Vessels.
Ships. *See also* Anchors; Armored vessels; Boating; Commerce; Galleys; Naval art and science; Navigation; Sailing; Sailors; Sails; Shipbuilding; Shipwrecks; Steamboats; Steamships; Yachting.
Refer from Navigation; Ocean; Shipbuilding; Vessels.
Shipwrecks. *See also* Collisions; Life boats; Life saving.
Refer from Accidents; Adventure; Collisions; Disasters; Life saving; Navigation; Ocean; Ships; Wrecks.
Shoemakers.
Refer from Biography.
Shoes.
Refer from Boots; Costume; Foot; Leather; Manufactures.

Shooting. *See also* Archery; Game; Gun; Gunnery; Hunting; Rifle; Sports.
Refer from Fire arms; Gunnery; Hunting; Rifle; Sports.
Shooting-stars. *See* Meteors.
Shore. *See* Seashore.
Shorthand. *See also* Abbreviations; Writing.
Refer from Abbreviations; Phonography; Reporting; Signs; Stenography; Tachygraphy; Writing.
Shrines. *See also* Relics.
Refer from Church antiquities; Church furniture; Relics.
Shrubs. *See also* Botany; Gardening; Landscape gardening; Trees.
Refer from Botany; Gardening; Landscape gardening.
Sick, the. *See* Invalids.
Sieges. *See also* Battles; Fortifications; Military art and science.
Refer from Battles; History; Military art and science; Military history.
Sight. *See also* Blind; Color-blindness; Eye; Spectacles.
Refer from Eye; Light; Senses; Vision.
Sign language. *See also* Cipher; Deaf and dumb; Pantomime.
Refer from Deaf and Dumb; Gesture; Language; Signs.
Sign painting. *See also* Alphabets; Painting, mechanical.
Refer from Painting, mechanical; Signboards; Signs.
Signals. *See also* Flags; Telegraph.
Refer from Military art and science; Navigation; Signs.
Signatures. *See* Autographs.
Signboards. *See also* Sign painting.
Refer from Advertising; Archaeology; Commerce; Signs.
Signets. *See* Seals.
Signs. *See* Omens; Shorthand; Sign language; Sign painting; Signals; Signboards.
Silhouettes.
Refer from Arts, fine.
Silk.
Refer from Fibres; Textile fabrics; Yarn.
Silos. *See* Ensilage.
Silver. *See also* Bimetallism; Coins and medals; Mines; Money; Plate; Precious stones.
Refer from Bimetallism; Metals; Mines

and mining; Money; Precious metals; Specie.

Silverplating. *See* Electroplating; Plating.

Silversmithing. *See also* Plate.

Refer from Arts, fine; Jewelry; Metalwork; Plate.

Sin. *See also* Absolution; Confession; Crime; Depravity; Fall of man; Future punishment; Predestination; Repentance; Salvation; Temptation.

Refer from Depravity; Ethics; Evil; Fall of man; Original sin; Religion; Temptation; Theology; Total depravity.

Singers.

Refer from Biography; Musicians; Singing; Vocalists; Woman.

Singing. *See also* Chanting; Music; Singers; Songs; Voice.

Refer from Chanting; Music; Voice.

Sisterhoods. *See also* Convents; Deaconesses; Monasticism; Nunneries; Nuns.

Refer from Catholic church; Charities; Church history; Church of England; Church polity; Monasticism; Protestant episcopal church in the U. S.; Religious orders; Woman.

Skating.

Refer from Ice; Locomotion; Sports.

Skeleton. *See* Bones.

Skepticism. *See also* Agnosticism; Atheism; Deism; Free thought; Materialism; Pantheism; Rationalism.

Refer from Agnosticism; Atheism; Doubt; Faith; Free thought; Infidelity; Philosophy; Religion; Skepticism; Theology; Unbelief.

Sketching. *See* Drawing; Painting.

Skin. *See also* Chicken pox; Color of man; Parasites; Small pox.

Refer from Cutaneous diseases; Pathology.

Skull. *See also* Brain; Head.

Refer from Anatomy; Bones; Craniology; Head.

Sky. *See* Astronomy; Meteorology.

Slander. *See* Libel and slander.

Slang. *See also* Americanisms.

Refer from Argot; Dialects; Language.

Slave trade. *See also* Africa; Slavery.

Refer from Ethics; Negroes; Slavery.

Slavery. *See also* Abolitionists; Africa; African colonization; Freedmen; Negroes; Serfdom; Slave trade; South; U. S.

Refer from Abolition of slavery; Anti-slavery; Colored people; Emancipation; Ethics; Freedmen; Freedom; History; Labor; Liberty; Negroes; Political science; Serfdom; Slave trade; Sociology.

Sleep. *See also* Animal magnetism; Dreams; Hypnotism; Insomnia; Nightmare; Somnambulism.

Refer from Dreams; Hygiene; Insomnia; Night; Physiology; Psychology; Somnambulism.

Sleep walking. *See* Somnambulism.

Sleight of hand. *See* Conjuring.

Slojd. *See* Sloyd.

Sloyd. *See also* Wood carving.

Refer from Manual training; Sloyd; Wood carving.

Small pox. *See also* Inoculation; Vaccination; Varioloid.

Refer from Contagion; Epidemics; Inoculation: Pathology; Skin; Vaccination; Variola; Varioloid.

Smell. *See also* Nose.

Refer from Nose; Odors; Senses.

Smelting. *See* Metals.

Smoke. *See also* Fumigation.

Refer from Combustion; Fire.

Smoking. *See* Tobacco.

Smuggling.

Refer from Commerce; Criminal law; Tariff.

Snakes. *See* Reptiles; Serpents.

Snow. *See also* Ice; Water.

Refer from Meteorology; Water.

Soap.

Refer from Cleaning; Manufactures.

Sobriquets. *See* Nicknames; Pseudonyms.

Social science. *See* Civilization; Political economy; Political science; Sociology.

Socialism. *See also* Communism; Cooperation; Political economy; Shakers.

Refer from Collectivism; Communism; Cooperation; Nationalism; Political economy; Political science; Property; Sociology.

Societies. *See also* Agricultural societies; Bible societies; Clubs; Corporations; Friendly societies; Geographical societies; Gilds; Historical societies; Scientific societies; Secret societies; Tract societies; Trade unions.

Refer from Academies; Associations; Clubs; Sociology.

Society. *See* Etiquette; Sociology; Solitude.
Society of Jesus. *See* Jesuits.
Socinianism. *See also* Arianism; Trinity; Unitarianism.
Refer from Arianism; Jesus Christ; Theology; Trinity; Unitarianism.
Sociology. *See also* Caste; Charities; Children; Christianity; Cities; Civilization; Clubs; Colonies; Communism; Cooperation; Corporations; Crime; Divorce; Education; Ethics; Etiquette; Family; Feudalism; Friendly societies; Gilds; Immigration; Insurance; Labor; Law; Man; Manners and customs; Marriage; Peace; People; Political economy; Political science; Poor; Population; Prisons; Progress; Property; Punishment; Religion; Slavery; Socialism; Societies; Statistics; Temperance; Theology; Woman.
Refer from Civilization; Ethics; History; Labor; Man; People; Political science; Science; Social science; Society.
Soils. *See also* Agricultural chemistry.
Refer from Agricultural chemistry; Agriculture; Geology.
Solar system. *See also* Asteroids; Astronomy; Planets [and their names]; Sun.
Refer from Astronomy; Planets; Sun.
Soldering.
Refer from Metal-work; Plumbing.
Soldiers. *See also* Military art and science; Military biography; Pensions.
Refer from Biography; Military art and science; Military biography.
Solids.
Refer from Physics.
Solitaire. *See also* Patience (game).
Refer from Games.
Solitude. *See also* Hermits.
Refer from Ethics; Society.
Somnambulism. *See also* Dreams; Sleep.
Refer from Night; Pathology; Psychology; Sleep; Sleep walking.
Songs. *See also* Anthems; Ballads; Carols; Church music; Glees; Hymns; Lyric poetry; National songs; School music; Voice. [Songs without music go with Ballads.]
Refer from Ballads; Carols; Glees; Music; Poetry; Singing; Vocal music.
Sonnets.
Refer from Poetry.
Sorcery. *See* Witchcraft.

Soda

Sore Throat.
Refer from Pathology; Throat.
Soubriquets. *See* Nicknames; Pseudonyms.
Soul. *See also* Future life; Instinct; Pre-existence; Psychology; Transmigration.
Refer from Ethics; Future life; Man; Materialism; Philosophy; Pre-existence; Psychology; Salvation; Spirit; Theology; Transmigration.
Sound. *See also* Ear; Music; Noise; Phonetics; Phonograph; Radiation; Telephone; Voice.
Refer from Acoustics; Architecture; Ear; Music; Noise; Physics; Radiation; Senses; Voice.
Sovereigns. *See* Emperors; Kings; Monarchy; Queens.
Space.
Refer from Astronomy; Philosophy.
Sparring. *See* Boxing.
Speakers. *See* Orators; Readers.
Speaking. *See* Elocution; Oratory; Preaching; Rhetoric; Voice.
Specie. *See* Gold; Money; Silver.
Species. *See also* Evolution.
Refer from Biology; Evolution; Origin of species; Variation of species; Zoology;
Specific gravity. *See also* Gravitation; Weights and measures.
Refer from Gravitation; Weights and measures.
Spectacles.
Refer from Eye; Light; Optical instruments; Sight.
Spectres. *See* Apparitions; Ghosts.
Spectroscope. *See* Spectrum.
Spectrum.
Refer from Analysis; Astronomy; Chemistry; Light; Optical instruments; Spectroscope; Sun.
Speculation. *See also* Credit; Investments; Panic; Stocks.
Refer from Commerce; Investments; Panics; Political economy.
Speech. *See also* Conversation; Deaf and dumb; Elocution; Language; Liberty of speech; Stammering; Voice.
Refer from Language; Voice.
Speeches. *See* Orations; Oratory.
Spellers. *See also* Primers; Readers.
Refer from Text-books.
Spelling.
Refer from Language; Orthography; Phonetics; Words.

Spalato

Spine. *See also* Nervous system.
Refer from Anatomy; Nervous system; Pathology.
Spinning. *See also* Yarn.
Refer from Textile fabrics; Yarn.
Spires. *See also* Towers.
Refer from Architecture; Church architecture; Steeples; Towers.
Spirit. *See* Holy spirit; Soul.
Spiritism. *See* Spiritualism.
Spirits. *See* Apparitions; Demonology; Ghosts; Spiritualism; Witchcraft.
Spiritualism. *See also* Animal magnetism; Apparitions; Clairvoyance; Mind reading.
Refer from Apparitions; Future life; Miracles; Occult sciences; Philosophy; Religions; Spiritism; Spirits; Supernatural; Superstition; Table moving; Theology.
Spirituous liquors. *See* Liquors; Temperance.
Spoils system. *See* Civil service.
Sports. *See also* Acrobats; Amusements; Archery; Baths and bathing; Betting; Boating; Bowling; Boxing; Bull fights; Camping; Canoeing; Cricket; Curling; Cycling; Driving; Falconry; Fencing; Fishing; Gambling; Games; Golf; Gymnastics; Horse-racing; Horsemanship; Hunting; Mountaineering; Physical education; Poaching; Rowing; Running; Sailing; Shooting; Skating; Swimming; Tournaments; Training; Trapping; Walking; Yachting.
Refer from Amusements; Athletics; Country life; Field sports; Game; Games; Gymnastics; Hunting; Manly exercise; Outdoor life; Physical education; Plays; Recreation; Shooting.
Spring.
Refer from Seasons.
Springs. *See also* Geysers.
Refer from Fountains; Geysers; Physical geography; Water.
Stables. *See also* Barns; Horse.
Refer from Agriculture; Architecture; Barns; Domestic animals; Horse.
Stage. *See* Acting; Drama; Theatre.
Stage coaches. *See* Carriages; Coaching.
Stained glass. *See* Glass painting.
Stair-building. *See also* Carpentry; Hand-railing.
Refer from Architecture; Carpentry.

Squirrels

Stammering.
Refer from Speech; Stuttering; Voice.
Stamps. *See* Postage stamps.
Standards. *See* Flags; Units; Weights and measures.
Stars. *See also* Asteroids; Astrology; Astronomy; Meteors; Planets; Zodiac.
Refer from Astronomy.
Starvation. *See also* Famines.
Refer from Abstinence; Diet; Famines; Fasting.
State, the. *See* Political science.
State church. *See* Church and state; Disestablishment.
State debts. *See* Debts.
State rights. *See also* Nullification; Secession.
Refer from Nullification; Political science; Secession.
Statesmanship. *See* Diplomacy, Political science.
Statesmen.
Refer from Biography; Political science.
Statics. *See also* Mechanics.
Refer from Dynamics; Engineering; Equilibrium; Mechanics; Physics.
Stationery. *See also* Ink; Paper.
Refer from Commerce; Manufactures.
Statistics. *See also* Almanacs; Census; Population; Vital statistics; Year books. For statistics of a special subject, country, or place, *see* its name.
Refer from Census; Commerce; History; Political economy; Political science; Population; Sociology.
Statues. *See* Sculpture.
Statutes. For the statutes of any country or state *see* its name.
Steam. *See also* Boilers; Steam engine; Steam heating; Steam navigation.
Refer from Boilers; Heat; Physics; Steam engine; Vapor; Water.
Steam boilers. *See* Boilers; Steam engine.
Steam engine. *See also* Boilers; Fire engines; Heat; Locomotive engines; Machinery; Railroads; Steam; Steam navigation.
Refer from Boilers; Engineering; Engines; Locomotive engines; Machinery; Mechanics; Motors; Railroads; Steam; Steam boilers; Steamboats; Steamships.
Steam heating. *See also* Heating.
Refer from Heating; Steam.

Star fish

Steam navigation. *See also* Navigation; Steamboats; Steamships.
Refer from Commerce; Navigation; Steam; Steam engine; Steamboats; Steamships; Transportation.

Steamboats. *See also* Shipbuilding; Steam engine; Steam navigation; Steamships.
Refer from Inland navigation; Navigation; Ships; Steam navigation; Steamships.

Steamships. *See also* Shipbuilding; Steam engine; Steam navigation; Steamboats.
Refer from Navigation; Ships; Steam navigation; Steamboats.

Steel. *See also* Casting; Iron.
Refer from Iron; Metals.

Steeples. *See* Spires.

Stenography. *See* Shorthand.

Stereography. *See* Geometry.

Stereoscope.
Refer from Light; Optical instruments.

Stereotomy. *See* Stone cutting.

Stereotyping. *See also* Printing.
Refer from Printing.

Stimulants and narcotics. *See also* Alcohol; Beverages; Coffee; Liquors; Morphia; Opium; Tea; Temperance; Tobacco.
Refer from Beverages; Diet; Food; Hygiene; Materia medica; Medicine; Narcotics; Temperance; Therapeutics.

Stock breeding. *See* Cattle; Domestic animals.

Stock companies. *See* Corporations.

Stock exchange. *See also* Banks and banking; Money; Panics; Stocks.
Refer from Banks and banking; Brokers; Business; Money; Political economy; Stocks.

Stockings. *See* Hosiery.

Stocks. *See also* Bonds; Corporations; Investments; Stock exchange.
Refer from Banks; Bonds; Commerce; Corporations; Exchange; Finance; Investments; Negotiable instruments; Political economy; Securities; Speculation; Stock exchange.

Stoics.
Refer from Ethics; Philosophy.

Stomach. *See also* Digestion.
Refer from Abdomen; Anatomy; Digestion; Pathology.

Stone. *See also* Blasting; Masonry; Precious stones; Quarrying; Rocks; Stone cutting.

Refer from Building materials; Geology; Masonry; Mineralogy; Rocks.

Stone age.
Refer from Archaeology.

Stone cutting. *See also* Sculpture.
Refer from Stereotomy; Stone.

Storage batteries.
Refer from Accumulators; Batteries; Electric batteries; Electric railroads, Secondary batteries.

Stories. *See* Children's literature; Fairy tales; Fiction; Legends; Romances.

Storms. *See also* Thunderstorms; Winds.
Refer from Cyclones; Hurricanes; Meteorology; Thunderstorms; Tornadoes; Weather; Whirlwinds; Winds.

Stoves. *See also* Heating.
Refer from Heating.

Strains. *See* Strength of materials.

Strategy. *See* Military art and science; Naval art and science.

Street cleaning.
Refer from Cleaning; Roads; Sanitary engineering; Sweeping.

Street railroads. *See also* Electric railroads; Horse railroads.
Refer from Railroads; Roads; Tramways.

Streets. *See* Roads.

Strength of materials. *See also* Architecture; Bridges; Building materials; Elasticity; Girders; Masonry; Roofs; Trusses.
Refer from Architecture; Bridges; Building materials; Elasticity; Engineering; Masonry; Materials, strength of; Mechanics; Strains; Testing; Timber; Trusses.

Strikes. *See also* Labor; Trade unions.
Refer from Capital; Labor; Political economy; Trade unions.

Students. *See also* Colleges; Education.
Refer from Colleges and universities; Education; Literary men.

Stuttering. *See* Stammering.

Style. *See* Costume; Fashion; Rhetoric.

Submarine warfare. *See also* Torpedoes.
Refer from Naval art and science.

Subways. *See also* Tunnels.
Refer from Engineering; Railroads; Tunnels.

Success. *See also* Business; Conduct of life.
Refer from Business; Conduct of life; Ethics; Wealth; Young men.

Suffering. *See also* Affliction; Consolation; Pain.
Refer from Pain.
Suffrage. *See also* Ballot; Citizenship; Election; Naturalization; Representation; Woman suffrage.
Refer from Ballot; Democracy; Election (in politics); Political science; Representation; Voting.
Sugar.
Refer from Agriculture; Food.
Suicide.
Refer from Criminal law; Death; Ethics; Medical jurisprudence; Murder.
Suits at law. *See* Actions at law.
Summer.
Refer from Seasons.
Sun. *See also* Eclipses; Solar system; Spectrum.
Refer from Astronomy; Eclipses; Heat; Light; Solar system.
Sun-dials.
Refer from Archaeology; Dialing; Time-keepers.
Sunday.
Refer from Ethics; Fasts and feasts; Religion; Sabbath; Theology.
Sunday schools. *See also* Bible classes; Religious education.
Refer from Bible classes; Children; Education; Religious education; Schools
Sunstroke. *See* Heatstroke.
Supernatural. *See also* Apparitions; Miracles; Religion; Spiritualism; Superstition; Theology.
Refer from Philosophy; Religion; Superstition.
Superstition. *See also* Alchemy; Amulets; Apparitions; Astrology; Charms; Delusions; Demonology; Devil; Divination; Dreams; Fairies; Fetishism; Folklore; Fortune-telling; Ghosts; Legends; Mythology; Occult sciences; Omens; Oracles; Palmistry; Relics; Religions; Second sight; Spiritualism; Supernatural; Theosophy; Werewolves; Witchcraft.
Refer from Delusions; Folklore; Mythology; Religion; Supernatural; Witchcraft.
Supply and demand. *See* Demand and supply.
Suppuration. *See also* Abscess; Ulcers.
Refer from Abscess; Pus; Ulcers.

Sureties. *See* Guaranties and sureties.
Surgeons.
Refer from Biography; Physicians; Surgery.
Surgery. *See also* Accidents; Amputation; Anaesthetics; Anatomy; Antiseptics; Autopsy; Blood-letting; Bones; Deformities; Diagnosis; Dislocations; Fractures; Medicine; Military surgery; Naval surgery; Pathology; Surgeons; Surgical instruments; Wounds.
Refer from Accidents; Anatomy; Medicine; Pathology; Therapeutics; Wounds.
Surgical instruments.
Refer from Instruments; Surgery.
Surnames. *See* Names.
Surrogate law. *See* Wills.
Surveying. *See also* Barometer; Engineering; Geodesy; Nautical surveying; Railroads; Topographical drawing; Trigonometry.
Refer from Arts, useful; Civil engineering; Engineering; Geodesy; Geography; Land; Leveling; Mathematics; Mensuration; Nautical surveying; Railroads; Topography; Trigonometry.
Swearing. *See also* Oaths.
Refer from Ethics; Oaths; Profanity.
Swedenborgianism. *See* New Jerusalem, church of the.
Sweeping. *See also* Chimney sweeping; Domestic economy; Street cleaning.
Refer from Carpets; Cleaning; Domestic economy; Floors.
Swimming. *See also* Baths and bathing; Diving.
Refer from Baths and bathing; Diving; Sports; Water.
Swine. *See* Hog.
Sword. *See also* Fencing.
Refer from Arms and armor; Fencing; Military art and science; Weapons.
Symbolics. *See* Creeds.
Symbolism. *See also* Christian art and symbolism; Emblems.
Refer from Arts, fine; Emblems; Religion.
Symbolism (in theology). *See* Creeds.
Symphonies.
Refer from Music.
Symptoms. *See* Diagnosis.
Synods. *See* Councils; *also* names of places at which synods were held.
Synonyms.
Refer from Language; Words.

Table, the. *See* Carving; Cookery; Dining; Eating; Food.

Table moving. *See* Spiritualism.

Table talk. *See also* Anecdotes.
Refer from Anecdotes; Aphorisms; Apothegms; Biography; Conversation; Epigrams; Sayings; Talking; Wit and humor.

Tableaux. *See also* Amateur theatricals.
Refer from Amateur theatricals; Amusements; Drama.

Tables. *See* Interest; Logarithms, *etc.*

Tachygraphy. *See* Shorthand.

Tactics. *See also* Artillery; Cavalry; Infantry; Military art and science; Naval tactics.
Refer from Drill; Military art and science.

Talismans. *See* Amulets; Charms.

Talking. *See* Conversation; Table talk.

Talmud.
Refer from Bible; Jews.

Tanning. *See also* Leather.
Refer from Arts, useful; Leather.

Taouism.
Refer from Religions.

Tapestry.
Refer from Arts, fine; Arts, useful; Decoration and ornament; Needlework; Textile fabrics; Wall decoration.

Tariff. *See also* Corn laws; England, *Finance;* Exportation; Political economy; Reciprocity; Smuggling; Taxation; U. S., *Finance.*
Refer from Commerce; Customs; Duties; Exportation; Finance; Free trade; Imports; Political economy; Protection; Revenue; Taxation; Trade.

Taste. *See* Aesthetics.

Taste, sense of.
Refer from Senses.

Tattooing.
Refer from Manners and customs.

Taverns. *See* Hotels; Inns.

Taxation. *See also* Finance; Income tax; Political economy; Tariff.
Refer from Assessment; Finance; Income tax; Internal revenue; Land; Personal property; Political economy; Political science; Property; Real property; Revenue; Tariff.

Taxidermy.
Refer from Birds; Natural history; Zoology.

Tea.
Refer from Beverages; Stimulants and narcotics.

Teachers. *See also* Education; Normal schools.
Refer from Biography; Education; Schoolmasters.

Teaching. *See* Education.

Technical education. *See also* Manual training.
Refer from Arts, useful; Education; Industrial education; Machinery; Manual training.

Technology. *See* Arts, useful; Manufactures.

Teeth.
Refer from Anatomy; Dentistry; Mouth; Pathology.

Telegraph. *See also* Electric wires.
Refer from Arts, useful; Cables; Electric engineering; Electric telegraph; Electricity; Signals.

Telephone.
Refer from Electricity; Sound.

Telescope.
Refer from Astronomical instruments; Astronomy; Light; Optical instruments.

Temperament. *See also* Nervous system.
Refer from Character; Nervous system.

Temperance. *See also* Alcohol; Beer; Beverages; Distillation; Drinking customs; Liquors; Opium; Stimulants and narcotics; Tobacco; Wine.
Refer from Abstinence; Alcohol; Beverages; Drinking customs; Drunkenness; Ethics; Food; Hygiene; Inebriates; Intemperance; Intoxication; Liquors; Prohibition; Sociology; Spirituous liquors; Stimulants and narcotics; Total abstinence; Wine.

Temperature. *See also* Animal heat; Climate; Cold; Heat.
Refer from Climate; Heat; Meteorology.

Templars. *See also* Chivalry; Freemasonry.
Refer from Chivalry; Knights templars; Secret societies.

Temples.
Refer from Archaeology; Architecture; Church architecture; Religious art.

Temporal power. *See* Popes.

Temptation. *See also* Evil; Fall of man; Jesus Christ; Sin.
Refer from Ethics; Evil; Sin; Theology.

Tehuantepec, Isthmus of

Ten commandments. *See* Commandments, ten.
Ten tribes of Israel. *See* Jews.
Tenant. *See* Landlord and tenant.
Tenement houses. *See also* Poor.
Refer from Poor.
Tennis.
Refer from Games; Lawn tennis.
Tents. *See also* Camping.
Refer from Camping; Military art and science.
Tenure of land. *See* Land.
Terracotta. *See also* Pottery.
Refer from Building materials; Decoration and ornament; Pottery.
Testimony. *See* Evidence.
Testing. *See* Strength of materials; *also* other subjects such as Electric measurement, *etc.*
Tetanus. *See* Lockjaw.
Text-books. *See also* Primers; Readers; Spellers.
Refer from Books; Education; School-books.
Textile fabrics. *See also* Bleaching; Calico-printing; Carpets; Clothing; Cotton; Dry goods; Dyeing; Embroidery; Fibres; Flax; Hosiery; Linen; Silk; Spinning; Tapestry; Weaving; Wool; Worsted; Yarn.
Refer from Arts, useful; Cloth; Clothing; Cotton; Dry goods; Fibres; Linen; Manufactures; Weaving; Wool; Worsted; Yarn.
Thanksgiving day.
Refer from Fasts and feasts; Holidays.
Theatre. *See also* Acting; Actors; Actresses; Ballet; Drama; Masks; Miracle plays; Opera; Pantomime.
Refer from Acting; Actors; Actresses; Amusements; Architecture; Drama; Ethics; Histrionics; Stage.
Theism. *See also* Atheism; Christianity; God; Theology.
Refer from Atheism; God; Philosophy; Religion; Theology.
Theodicy. *See* God.
Theological education. *See also* Religious education; Theological schools.
Refer from Education; Religious education; Theology.
Theological schools.
Refer from Divinity schools; Theological education.

Terracina

Tetragrammaton

Theology - Dogmatic

Theology. [Including the Christian doctrines. For comparative theology and history of religion *see* Religion. For Christian evidences *see* Christianity.]
See also Agnosticism; Angels; Annihilation; Antichrist; Antinomianism; Apostles; Apostolic constitutions; Apostolic succession; Arminianism; Asceticism; Atheism; Atonement; Baptism; Belief; Bible; Calvinism; Catechisms; Celibacy; Certainty; Christian; Christian union; Christianity; Church; Church history; Church polity; Clergy; Confession; Confirmation; Conscience; Conversion; Creation; Creeds; Cross; Death; Deism; Depravity; Devil; Ethics; Evil; Faith; Fall of man; Fanaticism; Fasting; Fathers of the church; Free religion; Future life; Future punishment; God; Heaven; Hell; Heresy; Holy spirit; Infallibility; Jesus Christ; Judgment, day of; Justification; Liberty of conscience; Liberty of the will; Lord's prayer; Lord's supper; Love; Mass; Materialism; Millennium; Miracles; Missions; Monotheism; Mysticism; Natural religion; Orthodoxy; Pantheism; Penance; Philosophy; Plurality of worlds; Prayer; Predestination; Private judgment; Prophecies; Protestantism; Purgatory; Rationalism; Regeneration; Religion; Repentance; Resurrection; Revelation; Revivals; Sacraments; Sacrifice; Salvation; Second advent; Sects; Sermons; Sin; Skepticism; Socinianism; Soul; Spiritualism; Sunday; Temptation; Theism; Theological education; Transcendentalism; Transubstantiation; Trinity; Worship.
Refer from Bible; Christian doctrine; Christianity; Church history; Divinity; Doctrines; Dogmatic theology; Faith; God; Natural religion; Philosophy; Revelation; Science; Sociology; Supernatural; Theism.

Theosophy.
Refer from Occult sciences; Religion; Religions; Superstition.

Therapeutics. *See also* Animal magnetism; Antiseptics; Baths and bathing; Bloodletting; Christian science; Cupping; Diet; Drugs; Electrotherapeutics; Exercise; Faith-cure; Homeopathy; Hydropathy; Inoculation; Malpractice;

Massage; Materia medica; Medicine; Nurses and nursing; Pathology; Pharmacy; Poisons; Purgatives; Rest; Stimulants and narcotics; Surgery; Vaccination.

Refer from Hygiene; Materia medica; Medicine; Pathology; Remedies (in medicine).

Thermodynamics. *See* Heat.

Thermometer.

Refer from Heat; Meteorology; Physics.

Thieves. *See* Robbers.

Thinking. *See* Logic; Philosophy; Psychology.

Thirty-nine articles. *See* Church of England.

Thirty years' war, 1618–48. *See also* Germany, *History*.

Thorough bass. *See* Harmony.

Thought. *See* Logic; Philosophy; Psychology.

Throat. *See also* Breathing; Bronchitis; Sore throat; Voice.

Refer from Anatomy; Breathing; Bronchitis; Pathology; Voice.

Thunderstorms. *See also* Lightning; Storms.

Refer from Lightning; Meteorology; Storms.

Thyzanura

Tides. *See also* Ocean.

Refer from Astronomy; Moon; Ocean; Physical geography.

Tiles. *See also* Bricks; Pottery.

Refer from Bricks; Pottery.

Timber. *See also* Forestry; Lumbering; Strength of materials; Trees; Wood.

Refer from Building materials; Forestry; Lumbering; Trees; Wood.

Time. *See also* Almanacs; Astronomy; Calendar; Chronology; Days; Eternity; Time-keepers.

Refer from Astronomy; Chronology; Philosophy.

Time-keepers. *See also* Clocks and watches; Pendulum; Sun-dials.

Refer from Arts, useful; Clocks and watches; Horology; Machinery; Manufactures; Time.

Tissues. *See* Histology.

Tithes. *See also* Church rates.

Refer from Church law; Church of England; Church polity; Church rates.

Titles. *See also* Conveyancing; Real property; Sale.

Refer from Land; Law; Property; Real property; Sale.

Toadstools. *See* Mushrooms.
Toasts.
Refer from Dining; Drinking customs; Epigrams; Manners and customs.
Tobacco.
Refer from Agriculture; Smoking; Stimulants and narcotics; Temperance.
Toilet. *See also* Baths and bathing; Cosmetics; Costume; Perfumery.
Refer from Cosmetics; Costume.
Toleration. *See* Liberty of conscience; Religious liberty.
Tombs. *See also* Barrows; Brasses; Burial; Catacombs; Cemeteries; Crypts; Epitaphs; Tombstones.
Refer from Archaeology; Architecture; Burial; Cemeteries; Crypts; Monuments; Sepulchres; Vaults.
Tombstones. *See also* Epitaphs.
Refer from Monuments; Tombs.
Tools. *See also* Agricultural tools; Carpentry; Machinery.
Refer from Arts, useful; Carpentry; Instruments; Machinery.
Topographical drawing. *See also* Map drawing.
Refer from Drawing; Map drawing; Surveying; Topography.
Topography. *See* Geography; Surveying; Topographical drawing.
Tories, American. *See* American loyalists.
Tories, English. *See also* England, *History;* England, *Politics.*
Refer from Parties, political.
Tornadoes. *See* Storms.
Torpedoes.
Refer from Explosives; Military art and science; Naval art and science; Submarine warfare.
Torts.
Refer from Law; Wrongs.
Torture. *See also* Inquisition; Punishment.
Refer from Punishment.
Total abstinence. *See* Temperance.
Total depravity. *See* Depravity; Sin.
Touch.
Refer from Feeling; Senses.
Tournaments. *See also* Chivalry.
Refer from Chivalry; Fighting; Sports.
Towers. *See also* Spires.
Refer from Architecture; Church architecture; Spires.
Town meetings. *See also* Local government; Towns.
Refer from Political science; Towns.

Town officers. *See also* Police.
Refer from Political science; Towns.
Towns. *See also* Boroughs; Cities; Local government; Town meetings; Town officers; Villages.
Refer from Boroughs; Cities; Local government; Municipal corporations; Political science; Town meetings; Villages.
Toxicology. *See* Poisons.
Toys. *See also* Dolls.
Refer from Amusements; Games.
Tract societies. *See also* Tracts.
Refer from Missions; Societies; Tracts.
Tractarianism. *See* Oxford movement.
Tracts. *See also* Tract societies.
Refer from Literature; Tract societies.
Trade. *See* Business; Commerce; Tariff. Trades
Trade marks. *See also* Patents.
Refer from Commerce; Law; Manufactures; Patents.
Trade unions. *See also* Cooperation; Gilds; Labor; Strikes.
Refer from Associations; Commerce; Cooperation; Gilds; Labor; Political economy; Societies; Strikes; Wages.
Traditions. *See* Folklore; Legends.
Tragedy. *See* Drama.
Training. *See also* Education; Gymnastics; Physical education; *also* names of animals, *etc.*, as Horse.
Refer from Exercise; Hygiene; Physical education; Sports.
Tramps.
Refer from Crime; Poor; Vagabonds; Vagrancy.
Tramways. *See* Street railroads.
Transcendentalism.
Refer from Philosophy; Rationalism; Theology.
Transformers. *See* Electric transformers.
Transit. *See* Transportation.
Transits. *See also* name of planet.
Refer from Astronomy; Planets.
Translation.
Refer from Language; Rhetoric.
Transmigration. *See also* Pre-existence; Soul.
Refer from Future life; Metempsychosis; Pre-existence; Reincarnation; Soul.
Transmutation of metals. *See* Alchemy.
Transportation. *See also* Canals; Carriages; Commerce; Ferries; Inland navigation; Railroads; Steam navigation; Vehicles.

Refer from Commerce; Locomotion; Transit; Vehicles.

Transportation (of criminals).
Refer from Exportation; Punishment.

Transubstantiation. *See also* Lord's supper; Mass.
Refer from Catholic church; Jesus Christ; Lord's supper; Mass; Real presence; Theology.

Trapping. *See also* Hunting.
Refer from Hunting; Sports.

Travel. [Put here books on the art of travel.] *See also* Pilgrimage; Voyages and travels.
Refer from Locomotion; Voyages and travels.

Travelers. *See also* Commercial travelers; Explorers; Voyages and travels.
Refer from Biography; Explorers.

Travels. *See* Voyages and travels.

Treason.
Refer from Criminal law; Law; Murder.

Treaties. *See also* Diplomacy; International law; *also* names of countries, places at which treaties were made, *etc.*
Refer from Diplomacy; History; International law; Ministers (of state); Political science.

Tree worship.
Refer from Trees; Worship.

Trees. *See also* Arbor day; Bark; Botany; Evergreens; Forestry; Fruit; Grafting; Landscape gardening; Lumbering; Pruning; Timber; Tree worship.
Refer from Agriculture; Botany; Evergreens; Forestry; Shrubs; Timber; Wood.

Trespass.
Refer from Law; Property.

Trial by combat. *See* Wager of battle.

Trial by jury. *See* Jury.

Trials. [See the Boston Athenæum catalogue for a subdivision of Trials by subject.] *See also* Actions at law; Evidence; Jury; Pleading; Witnesses.
Refer from Actions at law; Crime; Criminal law; Jury; Law; Murder; Pleading.

Tricycling. *See* Cycling.

Trigonometry. *See also* Geodesy; Geometry; Logarithms; Mathematics; Mensuration; Navigation; Surveying.
Refer from Geometry; Logarithms; Mathematics; Surveying.

Trilobites

Trinity. *See also* Arianism; Athanasian

creed; God; Holy spirit; Jesus Christ; Socinianism; Unitarianism.
Refer from Arianism; God; Holy spirit; Jesus Christ; Philosophy; Socinianism; Theology; Unitarianism.

Trivemes

Triumphal arches. *See* Arches of Triumph.
Tropics.
Refer from Earth; Geography; Physical geography.
Trotting. *See* Horse; Horse-racing.
Troubadours. *See also* Provençal literature.
Refer from Bards; Minstrels; Poetry; Poets.
Trouvères.
Refer from Bards; Minstrels; Poetry; Poets.
Trusses. *See also* Bridges; Girders; Roofs; Strength of materials.
Refer from Architecture; Bridges; Girders; Roofs; Strength of materials.
Trustees.
Refer from Law.
Trusts. *See also* Capital; Monopolies.
Refer from Capital; Commerce; Commercial law; Corporations; Monopolies; Political economy.
Truth. *See also* Axioms; Belief; Certainty; Lying.
Refer from Belief; Certainty; Ethics; Faith; Lying; Philosophy.
Tuberculosis. *See* Consumption.
Tumors. *See also* Cancer.
Refer from Pathology.
Tumuli. *See* Barrows; Mounds.
Tuning.
Refer from Musical instruments.
Tunnels. *See also* Blasting; Subways.
Refer from Engineering; Mines and mining; Railroads; Subways.
Turbine wheels. *See also* Waterwheels.
Refer from Hydraulic engineering; Waterwheels; Wheels.
Turning. *See also* Wood-work.
Refer from Arts, useful; Cabinet work; Carpentry; Carving (wood, etc.); Lathe; Machinery; Wood-work.
Twins.
Refer from Children.
Type. *See* Printing.
Typewriting.
Refer from Writing.
Typhoid fever. *See also* Typhus fever.
Refer from Contagion; Enteric fever; Fever; Typhus fever.

Typhus fever. *See also* Typhoid fever.
Refer from Fever; Ship fever; Typhoid fever.
Typography. *See* Printing.
Tyranny. *See also* Despotism.
Refer from Despotism; Monarchy; Political science.
Ulcers. *See also* Suppuration.
Refer from Pathology; Suppuration.
Ultramontanism. *See also* Catholic church; Popes; Vatican council.
Refer from Catholic church.
Umbrella.
Refer from Costume.
Unbelief. *See* Skepticism.
Understanding. *See* Intellect; Psychology.
Unitarianism. *See also* Arianism; Free religion; Jesus Christ; Socinianism; Trinity.
Refer from Arianism; Congregationalism; Jesus Christ; Sects; Socinianism; Trinity.
United brethren. *See* Moravians.
Units. *See also* Electric measurement; Weights and measures.
Refer from Physics; Standards; Weights and measures.
Universalism. *See also* Future life; Future punishment.
Refer from Congregationalism; Future punishment; Salvation; Sects.
Universe. *See also* Astronomy; Creation; Earth; Plurality of worlds.
Refer from Astronomy; Cosmogony; Cosmography; Cosmology; Creation; Philosophy; World.
Universities. *See* Colleges and universities.
University extension.
Refer from Colleges and universities; Education.
Upholstery. *See also* Furniture; House decoration.
Refer from Arts, useful; Furniture; House decoration.
Urns. *See also* Vases.
Refer from Burial; Pottery; Vases.
Usages. *See* Etiquette; Manners and customs.
Useful arts. *See* Arts, useful; Manufactures.
Usury. *See* Interest.
Utilitarianism.
Refer from Ethics; Philosophy.

Vacations. *See also* Holidays.
Refer from Holidays; Hygiene.
Vaccination. *See also* Inoculation; Small pox; Varioloid.
Refer from Inoculation; Medicine; Small pox; Therapeutics; Varioloid.
Vagabonds. *See* Robbers; Tramps.
Vagrancy. *See* Poor; Poor laws; Tramps.
Valdenses. *See* Waldenses.
Valleys. *See also* Erosion; Rivers.
Refer from Erosion; Physical geography; Rivers.
Value. *See also* Cost; Money; Prices.
Refer from Cost; Political economy; Prices.
Vapor. *See* Evaporation; Gases; Steam.
Variation of species. *See* Evolution; Species.
Variation of the compass. *See* Compass.
Variola. *See* Small pox.
Varioloid. *See also* Small pox; Vaccination.
Refer from Pathology; Small pox; Vaccination.
Varnishing. *See also* Japanning; Lacquer; Painting, mechanical.
Refer from Japanning; Painting, mechanical.
Vases. *See also* Pottery; Urns.
Refer from Amphoræ; Decoration and ornament; Pottery; Urns.
Vassals. *See* Feudalism.
Vatican. *See also* Catholic church; Popes; Rome.
Vatican council. *See also* Immaculate conception; Infallibility; Popes.
Refer from Catholic church; Infallibility; Popes; Ultramontanism.
Vaudois. *See* Waldenses.
Vaulting. *See also* Arches; Domes.
Refer from Arches; Architecture; Masonry; Roofs.
Vaults. *See* Tombs.
Vegetables. *See also* Botany; Cookery; Gardening.
Refer from Agriculture; Botany; Food; Gardening; Market gardening.
Vegetarianism. *See also* Animal food.
Refer from Animal food; Diet; Food.
Vehicles. *See also* Ambulances; Carriages; Cars; Chariots; Coaching; Transportation; Wagons; Wheels.
Refer from Transportation; Wagons.
Veins. *See also* Arteries.
Refer from Anatomy; Arteries; Blood.

Velocipedes. *See* Cycling.

Vendors. *See* Sale.

Venesection. *See* Blood-letting.

Ventilation. *See also* Chimneys; Heating.
Refer from Air; Architecture; Chimneys; Domestic economy; Heating; Hygiene; Mines and mining; Sanitary engineering.

Ventriloquism.
Refer from Amusements; Elocution; Voice.

Versification. *See also* Metre; Poetry; Prosody; Rhyme.
Refer from Authorship; Metre; Poetry; Prosody.

Vertebrata. *See also* Batrachia; Birds; Fish; Mammals; Reptiles; Zoology.
Refer from Mammals; Zoology.

Vessels. *See* Navigation; Shipbuilding; Ships.

Vestments. *See* Church vestments.

Veterinary medicine. *See also* Cattle; Domestic animals; Horse.
Refer from Cattle; Domestic animals; Horse; Medicine.

Veto.
Refer from Political science; Presidents.

Viaducts. *See* Bridges.

Vice. *See* Crime; Ethics.

Vikings. *See* Northmen.

Village communities. *See also* Local government.
Refer from Local government; Political science.

Villages. *See also* Towns.
Refer from Local government; Political science; Towns.

Villas. *See* Architecture, domestic; Cottages.

Vine. *See* Grape; Wine.

Vines. *See* Climbing plants; Gardening; Grape.

Violin.
Refer from Fiddle; Musical instruments.

Virgin Mary. *See* Mary, virgin.

Virtue. *See also* Chastity; Ethics.
Refer from Ethics.

Viscera. *See also* Abdomen; Intestines; Kidneys; Liver.
Refer from Abdomen.

Vision. *See* Color sense; Eye; Sight.

Visions. *See* Apparitions; Dreams; Illusions.

Vibrations

Victorian Era Ball

Vital statistics. *See also* Census; Mortality; Population.
Refer from Longevity; Man; Statistics.
Vivisection.
Refer from Anatomy; Animals, treatment of; Dissection; Ethics; Pain.
Vocal culture. *See* Voice.
Vocal music. *See* Church music; Music; Songs; Voice.
Vocal organs. *See* Voice.
Vocalists. *See* Singers.
Voice. *See also* Elocution; Music; Oratory; Singing; Sound; Speech; Stammering; Throat; Ventriloquism.
Refer from Breathing; Elocution; Hygiene; Music; Musical Education; Oratory; Pathology; Physiology; Singing; Songs; Sound; Speaking; Speech; Throat; Vocal culture; Vocal music; Vocal organs.
Volcanoes. *See also* Earthquakes.
Refer from Earth; Earthquakes; Geology; Mountains; Physical geography; Seismology.
Voltaic cell. *See* Cell, voltaic.
Voltaic electricity. *See* Electricity.
Voting. *See* Ballot; Election; Representation; Suffrage.
Voussoir arches. *See* Arches.
Voyages and travels. *See also* Antarctic regions; Arctic regions; Discoveries (in geography); Explorers; Geography; Travel; Voyages around the world.
Refer from Adventure; Discoveries (in geography); Explorers; Geography; Journeys; Navigation; Ocean; Travel; Travelers; Travels.
Voyages around the world.
Refer from Circumnavigation; Voyages and travels.
Wager of battle.
Refer from Battle, wager of; Combat, trial by; Dueling; Law; Trial by combat.
Wagers. *See* Betting.
Wages. *See also* Labor; Profit sharing; Trade unions.
Refer from Compensation; Labor; Political economy; Prices.
Wagons. *See also* Carriages; Vehicles.
Refer from Vehicles.
Waldenses. *See also* Albigenses; Huguenots.
Refer from Albigenses; Church history;

Voles
Vortices

Huguenots; Reformation; Valdenses; Vaudois.

Walking. *See also* Running.
Refer from Animal locomotion; Locomotion; Pedestrianism; Physical education; Running; Sports.

Wall decoration. *See also* Frescoes; House painting; Mosaics; Paper hanging; Plastering; Tapestry.
Refer from Decoration and ornament; Frescoes; House decoration; Mural decoration; Painting; Walls.

Walls. *See also* Foundations; Masonry; Wall decoration.
Refer from Architecture; Engineering; Foundations; Masonry.

War. *See* Battles; International law; Martial law; Military art and science; Naval art and science; Peace.

War poetry.
Refer from Poetry.

Wards. *See* Guardians.

Warming. *See* Heating.

Warnings. *See* Omens.

Washing. *See* Laundry.

Watches. *See* Clocks and watches.

Water. *See also* Baths and bathing; Dew; Erosion; Fog; Frost; Glaciers; Hail; Heating; Hydraulic engineering; Ice; Lakes; Meteorology; Ocean; Physical geography; Ponds; Rain; Rivers; Snow; Springs; Steam; Swimming; Water supply; Waterfalls; Waterspouts; Waves.
Refer from Beverages; Hydraulic engineering; Ice; Ocean; Physical geography; Physics; Snow; Water supply.

Water color painting. *See also* Painting.
Refer from Painting.

Water-cure. *See* Hydropathy.

Water supply. *See also* Aqueducts; Artesian wells; Canals; Fountains; Hydraulic engineering; Irrigation; Plumbing; Pumps; Reservoirs; Water; Wells.
Refer from Engineering; Hydraulic engineering; Reservoirs; Sanitary engineering; Water; Waterworks.

Waterfalls.
Refer from Cataracts; Physical geography; Water.

Waterspouts.
Refer from Meteorology; Physical geography; Water.

Waterwheels. *See also* Turbine wheels.

Refer from Hydraulic engineering; Machinery; Motors; Turbine wheels; Wheels.

Waterworks. *See* Water supply.

Waves. *See also* Electric waves.

Refer from Ocean; Physical geography; Water.

Wax.

Refer from Bees.

Wax flowers.

Refer from Artificial flowers; Flowers.

Wealth. *See also* Banks and banking; Business; Capital; Finance; Labor; Luxury; Money; Political economy; Success.

Refer from Finance; Luxury; Money; Political economy; Property; Riches.

Weapons. *See* Arms and armor; Fire arms; Sword.

Weather. *See also* Climate; Meteorology; Storms; Winds.

Refer from Climate; Meteorology.

Weaving. *See also* Carpets; Lace; Textile fabrics.

Refer from Arts, useful; Carpets; Cotton; Textile fabrics.

Weddings. *See* Marriage.

Weeds.

Refer from Agricultural pests; Botany; Gardening.

Weights and measures. *See also* Arithmetic; Decimal system; Electric measurement; Gauging; Gravitation; Mensuration; Metric system; Specific gravity; Units.

Weimar

Refer from Cambistry; Decimal system; Gravitation; Measures; Mensuration; Metric system; Metrology; Science; Specific gravity; Standards; Units.

Wells. *See also* Artesian wells; Boring.

Refer from Artesian wells; Engineering; Hydraulic engineering; Water supply.

Werewolves.

Refer from Lycanthropy; Superstition.

Wesleyans. *See* Methodist episcopal church.

Wharves. *See also* Docks.

Refer from Docks; Harbors.

Wheat. *See also* Flour; Grain.

Refer from Agriculture; Grain.

Wheeling. *See* Cycling.

Wheels. *See also* Carriages; Machinery; Turbine wheels; Waterwheels.

Refer from Carriages; Machinery; Vehicles.

Whigs. *See also* England, *Politics;* U. S., *Politics.*
Refer from Parties.
Whipping. *See* Corporal punishment; Flogging.
Whirlwinds. *See* Storms.
Whist.
Refer from Cards; Games.
Widows. *See also* Wives.
Refer from Family; Wives; Woman.
Wife. *See* Wives.
Will. *See also* Ethics; Liberty of the will; Psychology.
Refer from Ethics; Liberty of the will; Philosophy; Psychology.
Wills. *See also* Administrators and executors; Guardians; Inheritance; Legacies.
Refer from Administrators and executors; Inheritance; Law; Probate; Property; Surrogate law.
Wind. *See* Winds.
Windmills.
Refer from Machinery; Motors.
Window gardening. *See also* Floriculture.
Refer from Floriculture; Flowers; Gardening; Windows.
Windows. *See also* Glass; Glass painting; Window gardening.
Refer from Architecture.
Winds. *See also* Meteorology; Storms.
Refer from Currents; Meteorology; Storms; Weather; Wind.
Wine. *See also* Alcohol; Grape; Liquors; Temperance.
Refer from Grape; Liquors; Temperance; Vine.
Wings. *See also* Flight.
Refer from Animal locomotion; Birds; Flight; Zoology.
Winter.
Refer from Seasons.
Wire. *See also* Cables; Electric wires.
Refer from Cables; Metals; Rope.
Wit and humor. *See also* Anecdotes; Caricature; Epigrams; Fools; Laughter; Parodies; Satire; Table talk.
Refer from Caricature; Comic literature; Facetiæ; Humor; Jests; Jokes; Laughter; Literature; Poetry; Satire.
Witchcraft. *See also* Charms; Demonology; Occult sciences; Superstition.
Refer from Black art; Charms; Church history; Conjuring; Delusions; Demonology; Magic; Necromancy; Occult sci-

ences; Persecution; Sorcery; Spirits; Superstition.

Witnesses. *See also* Evidence.
Refer from Law; Trials.

Wives. *See also* Family; Hubands; Marriage; Mothers; Widows; Woman.
Refer from Family; Husbands; Marriage; Widows; Wife; Woman.

Woman. *See also* Actresses; Amazons; Beauty, personal; Celibacy; Chastity; Children; Convents; Costume; Deaconesses; Domestic economy; Etiquette; Family; Fancy work; Girls; Home; Love; Marriage; Mothers; Needlework; Nuns; Nurses and nursing; Prostitution; Queens; Sex; Singers; Sisterhoods; Widows; Wives; Woman suffrage; Young women.
Refer from Anthropology; Biography; Emancipation; Ethics; Family; Female; Girls; Home; Labor; Ladies; Man; Marriage; Rights of women; Sociology; Wives; Young women.

Woman, *Diseases.* *See also* Hysteria; Medicine, and the references under that head.
Refer from Gynecology; Hygiene; Medicine; Pathology; Physiology.

Woman, *Education.*
Refer from Coeducation; Education.

Woman, *Law.* *See also* Divorce; Infanticide; Marriage; Prostitution; Woman suffrage.
Refer from Crime; Criminal law; Law.

Woman suffrage.
Refer from Suffrage; Woman; Woman, *Law.*

Wood. *See also* Forestry; Timber; Trees.
Refer from Building materials; Timber; Woods.

Wood carving. *See also* Carving; Decoration and ornament; Furniture; Sloyd.
Refer from Carving (wood, etc.); Decoration and ornament; Fret cutting; Furniture; Manual training; Sloyd; Wood-work.

Wood engraving.
Refer from Engraving; Woodcuts.

Wood-work. *See also* Cabinet work; Carpentry; Turning; Wood carving.
Refer from Arts, useful; Carpentry; Manufactures; Turning.

Woodcuts. *See* Wood engraving.

Woods. *See* Forestry; Wood.

Wool. *See also* Dyeing; Sheep; Textile fabrics; Worsted; Yarn.
Refer from Agriculture; Fibres; Sheep; Textile fabrics; Worsted; Yarn.
Words. *See also* Grammar; Language; Pronunciation; Rhetoric; Spelling; Synonyms· *also* names of languages.
Refer from Language.
Work. *See* Labor.
Working classes *See* Labor.
World. *See* Earth; Universe.
Worlds, plurality of. *See* Plurality of worlds.
World's fairs. *See* Exhibitions.
Worms. *See also* Parasites.
Refer from Invertebrates; Zoology.
Worship. *See also* Ancestor worship; Animals, worship of; Church music; Devotional exercises; Fetishism; Fire-worshippers; Hymns; Idolatry; Litanies; Liturgies; Prayer; Prayers; Responsive worship; Rites and ceremonies; Ritualism; Sacraments; Sacrifice; Serpent worship; Tree worship.
Refer from Church polity; Devotion; Devotional exercises; Prayer; Religion; Religious services; Rites and ceremonies; Ritualism; Theology.
Worsted. *See also* Sheep; Textile fabrics; Wool; Yarn.
Refer from Textile fabrics; Wool; Yarn.
Wounds. *See also* Surgery.
Refer from Military surgery; Naval surgery; Surgery.
Wrecks. *See* Shipwrecks.
Writers. *See* Authors.
Writing. *See also* Abbreviations; Alphabet; Authorship; Cipher; Cuneiform writing; Hieroglyphics; Ink; Inscriptions; Letter-writing; Manuscripts; Paper; Penmanship; Rhetoric; Shorthand; Typewriting.
Refer from Alphabet; Books; Diplomatics; Epigraphy; Inscriptions; Language; Manuscripts; Palæography; Penmanship; Shorthand.
Wrongs. *See* Torts.
Xylography. *See* Block books.
Yachting. *See also* Boating; Navigation; Sailing.
Refer from Boating; Locomotion; Navigation; Sailing; Shipbuilding; Ships; Sports.
Yarn. *See also* Cotton; Flax; Hemp; Silk; Spinning; Textile fabrics; Wool; Worsted.

Refer from Spinning; Textile fabrics; Wool; Worsted.

Year. *See also* Calendar; Chronology; Months; Seasons.

Refer from Calendar; Chronology; Months.

Year books. *See also* Almanacs; Annuals; Calendars.

Refer from Almanacs; Annuals; Calendars; Registers; Statistics.

Yellow fever.

Refer from Contagion; Epidemics; Fever.

Young men. *See also* Boys; Conduct of life; Self-culture; Success; Young people.

Refer from Boys; Ethics; Young people.

Young people. *See also* Boys; Children; Education; Girls; Young men; Young women.

Refer from Conduct of life; Education; Ethics; Young men; Young women.

Young women. *See also* Conduct of life; Girls; Self-culture; Woman; Young people.

Refer from Ethics; Girls; Woman; Young people.

Zodiac.

Refer from Astronomy; Stars.

Zodiacal light.

Refer from Astronomy; Light.

Zoological gardens. *See* Menageries.

Zoological mythology. *See* Animals, legends of; Animals, worship of.

Zoology. *See also* Alpine zoology; Anatomy; Animal electricity; Animal heat; Animal locomotion; Animalcules; Apes; Aquarium; Batrachia; Biology; Birds; Cells; Color of animals; Crustacea; Domestic animals; Domestication; Embryology; Evolution; Fish; Game; Geographical distribution; Gorilla; Heredity; Insects; Instinct; Invertebrates; Mammals; Man; Marine zoology; Menageries; Microscope; Mollusks; Monkeys; Monsters; Natural history; Nests; Paleontology; Parasites; Phosphorescence; Physiology; Quadrupeds; Reptiles; Seal; Species; Taxidermy; Vertebrates; Wings; Worms.

Refer from Animal kingdom; Animals; Beasts; Biology; Brutes; Domestic animals; Fauna; Invertebrates; Mammals; Natural history; Quadrupeds; Science; Vertebrates.

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